

ENGINEERED PERFORMANCE. RACE PROVEN.

TEAM ORION®

**BRUSHLESS SYSTEMS**

**BATTERIES**

**CHARGERS**

**NITRO ENGINES**

**SERVOS**

**ACCESSORIES**

CARBON PRO

TEAM ORION 8000

VST2

VORTEX R10

2013

WORLD CHAMPION  
R/C PRODUCTS  
SINCE 1987

# TEAM ORION: POWER OF QUALITY

Innovation is part of every Team Orion product. Matching batteries, revolutionizing the electric motor design with the V2 technology, providing Lipo batteries compatible with the market demands and bringing the CRF technology to nitro engines; Team Orion's goal is to develop products which are more attractive, have better performance and contained costs. Worldwide success proves we are on the right track.

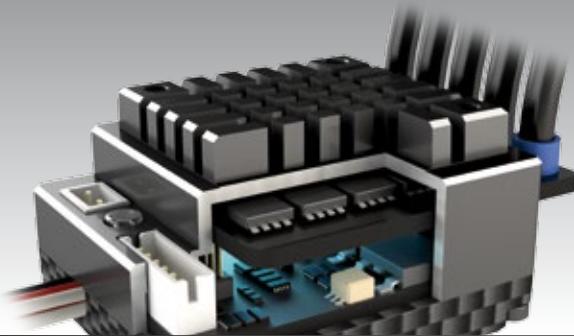


## 25 YEARS OF PASSION

In 1987, after returning from the world championships in USA, Philippe Neidhart began matching cells using LavCo battery testers. A new era had begun in the RC industry. Team Orion was born and quickly imposed itself as the battery specialist, winning several world championships. In 1997 Oscar Jansen joined the company and in 2007 it was Adrien Bertin. This further increases the technical know-how of the company and ensures that Team Orion remains at the peak of technology. Today, Team Orion is a multinational company and its products are synonym of performance, high quality standards and Swiss technology.



## OFF-ROAD WORLD CHAMPION



## INNOVATION

Team Orion has won numerous races around the world. Whether it's on-road or off-road, electric or nitro, we have a race winning product for you. Team Orion is always at the forefront of innovation and performance!

### Team Orion Headquarters

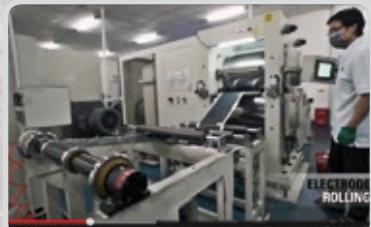


### Team Orion Website [www.teamorion.com](http://www.teamorion.com)



Visit our [www.teamorion.com](http://www.teamorion.com) website to learn about our latest product releases and get the latest news and racing results. Our Facebook fanpage already has more than 5000 fans!

### Team Orion Video Channel



Want to know how Lipo batteries are made? Check out our youtube channel at [www.youtube.com/teamorioncom](http://www.youtube.com/teamorioncom).

# WORLD CHAMPIONS



Jilles Groskamp conquered the touring car world championship using Team Orion ESC, motors, batteries and chargers!

## ON-ROAD WORLD CHAMPION



Team Orion won both the 2011 and 2012 editions of the prestigious 1/8 off-road Neo race in the UK.



In 2012, Team Orion claimed 4 US national titles!

**MULTIPLE  
2012 ROAR  
NATIONAL CHAMPIONS**

## INDEX

### Speed Controller

<b>Sensor</b>	<b>4</b>
---------------	----------

▪ 1/10 .....	5
▪ 1/8 .....	6

<b>Sensorless</b>	<b>7</b>
-------------------	----------

### Electric Motors

**8**

#### Brushless

**8**

▪ 540 1/10 Modified .....	8
▪ 540 1/10 Stock .....	9
▪ 550 1/10 .....	10
▪ 690 1/8 .....	11

#### Brushed

**15**

### Electric Motors Overview

**16**

### Brushless Combos

**12**

▪ 550 1/10 .....	12
▪ 690 1/8 .....	13
▪ 540 1/10 .....	14

### Servos

**17**

### Chargers

**18**

#### Touch Screen

**18**

▪ AC/DC 100W .....	19
▪ AC/DC 50W .....	20
▪ DC 150W .....	21

### Buttons

**22**

### AA/AAA Chargers

**24**

### Batteries

**25**

#### Flight Batteries

**25**

#### LiPo Batteries

**26**

▪ Competition .....	26
▪ For Savage™ Flux .....	28
▪ For Traxxas® vehicles .....	29
▪ Round stick batteries .....	30
▪ Square stick batteries .....	31

#### NiMH Batteries

**32**

▪ Stick batteries .....	32
▪ For Traxxas® 1/16 vehicles .....	33
▪ For Traxxas® 1/10 vehicles .....	34

#### RX Batteries

**36**

### AA/AAA Cells

**38**

### Engines

**40**

▪ Off-road .....	40
▪ On-road .....	42

### Accessories

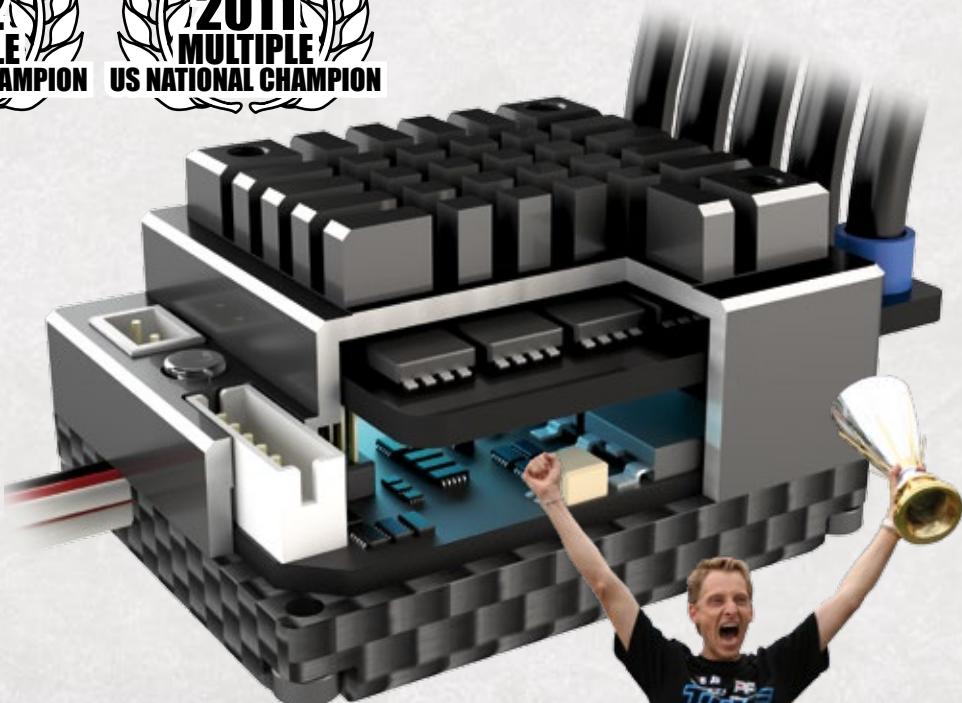
**43**

▪ Starter Boxes .....	43
▪ Mufflers .....	44
▪ Glow plugs .....	45
▪ Silicone oils .....	46
▪ Super glue .....	47

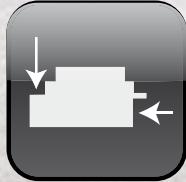
# TEAM ORION ESC TECHNOLOGY



The Team Orion Vortex R ESC are high end brushless ESC equipped with the latest developments in brushless technology. The highly tunable software and the exclusive design offer both functionality and performance. Whether you race on-road or off-road, you will experience ultimate controllability when using one of our ESC.



Braking is as important as accelerating. We fine-tuned the software in order to give maximum brake power and controllability. This gives the R10 ESC an edge over the competition- Push Brake Technology.



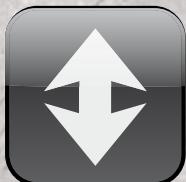
The R10 racing ESC is equipped with two sensor ports. This offers multiple advantages: ideal sensor wire placement, better wire management and it also allows you to connect the DSB-R program box without having to disconnect any wires.



The Vortex R10 ESC can be programmed by using our ORI65150 DSB-R programming box. This allows for a wide array of tuning possibilities. You can regularly find software updates on our [www.teamorion.com](http://www.teamorion.com) website.



We have chosen to make the top case out of milled aluminum to improve the cooling. The bottom case is still plastic to prevent glitching and other electronic disturbances.



Brushless ESC are not only about power, how easily you can control that power is also very important. Our software is specifically tuned to make the power manageable in all conditions.



The R10 ESC use the best components available today. Thanks to this, they are more efficient, better performing and more reliable!

R10 Pro user  
World Champion  
Jilles Groskamp!

## The World Champion ESC

- World Champion
- National Champion
- 4-times US national champion
- Machined aluminum case for improved cooling
- Low center of gravity
- High grade components for unparalleled performance
- Highly customizable and updatable state of the art software
- Dual sensor port for optimal sensor wire placement
- Works with sensor and sensorless motors
- On the fly switch from sensor to sensorless mode in case of sensor failure
- Forward/brake, forward/brake/reverse and forward/reverse (Crawler) function modes
- Works with up to 3S LiPo (65102-65109)
- Easy setup
- Status control by LED and audio tone
- Optional programming box and software available

# HIGH-END BRUSHLESS 1/10 SCALE ESC'S



**WORLD  
CHAMPIONS**

1/10 & 1/12  
RACING ESC

ADVANCED  
CUSTOMISABLE  
SOFTWARE

MACHINED  
ALUMINUM CASE

SMOOTH  
POWER  
& BRAKE

WORLD  
& NATIONAL  
CHAMPION

The Vortex R10 range of ESC has taken the world by storm! All over the planet, racers are praising its performance, smoothness and tunability. The new generation of ESC has arrived, delivered by Team Orion!

**Top of the range**



Vortex R10 Pro 2-3S  
ORI65102

High performance ESC featuring the latest developments in ESC technology. Its advanced software and timing functions maximise performance. It can run both in forward and reverse and with sensor or sensorless motors, making it not only the best racing ESC, but also the best all-around ESC. Works with 2-3S LiPo.

**For 1/12 scale**



Vortex R10 Pro 1-2S  
ORI65101

The Vortex R10 Pro 1-2S is designed for 1/12 scale racing. It is equipped with a booster to allow the use of 1S LiPo and ensure high performance. The aluminum case is also thinner, reducing weight and lowering the CG even further. Thanks to its advanced and highly customizable software, this ESC is sure to give you an edge over the competition.

**For 0° timing racing**



Vortex R10 Race 2-3S (0°-Timing Class)  
ORI65109

The newcomer in the R10 PRO ESC range, designed for 0° timing racing. This ESC uses the same software as the other R10 Pro ESC, but the timing functions have been disabled. It also works with sensor and sensorless motors, 2-3S LiPo and has forward/reverse function making it ideal for all applications requiring a high quality ESC.

**US Spec Stock ESC**



Vortex R10 Stock 2-3S (0°-Timing US spec Class)  
ORI65120

Based on our world champion R10 Pro ESC, the R10 Stock has been specifically designed for the "blinky" racing class. It offers the best that brushless ESC technology has to offer to give you an edge over the competition! High performance and smooth power control!

Specifications	Vortex R10 Pro 2-3S	Vortex R10 Pro 1-2S	Vortex R10 Race 2-3S (0°-Timing Class)	Vortex R10 Stock 2-3S (US Spec Blinky Class)
Rated current	160A/760A	120A/760A	90A/420A	90A/420A
Type			Sensor/Sensorless	
Function modes		Forward/Brake - Forward/Brake/Reverse - Forward/Reverse (Crawler)		
Timing boost	yes	yes	no	no
Motor type	2S: up to 2.5T, 3S up to 5.5T	1S: up to 3.5T, 2S up to 4.5T	2S: up to 5.5T, 3S up to 10.5T	Stock Motors
Battery	5-9Z NiMH/NiCd, 2-3S LiPo/LiFe	4-6Z NiMH/NiCd, 1-2S LiPo/LiFe	5-9Z NiMH/NiCd, 2-3S LiPo/LiFe	5-9Z NiMH/NiCd, 2-3S LiPo/LiFe
BEC	5.75V/3A, Linear	6V/2A, Booster	5.75V/3A, Linear	5.75V/3A, Linear
Size and weight	41.5x30.5x20.2mm, 44g	41.5x30.5x16.5mm, 40g	41.5x30.5x20.2mm, 43g	41.5x30.5x20.2mm, 43g

# HIGH-END 1/8 BRUSHLESS ESC



1/8 SCALE  
RACING ESC

2-6S LIPO/LIFE  
6-18 CELLS  
NiMH/NiCD

180A CONSTANT  
950A MAX!

ADVANCED  
CUSTOMISABLE  
SETTINGS

SENSOR  
AND SENSORLESS  
MOTORS

The Vortex R8 Pro is at the peak of 1/8 ESC technology, high power, high efficiency, advanced customizable settings, works with sensor and sensorless motors, US National champion, what else can you ask for?

2011 1/8 SCALE  
BUGGY AND TRUGGY  
NATIONAL CHAMPION



Features

- 1/8 Scale Buggy and Truggy US National Champion
- Robust carbon look plastic case with integrated cooling fan
- High grade components for unparalleled performance
- Highly customizable and updatable state of the art software
- Works with sensor and sensorless motors
- On the fly switch from sensor to sensorless mode in case of sensor failure
- Forward/brake, forward/brake/reverse and forward/reverse (Crawler) function modes
- Easy setup
- Status control by LED and audio tone
- Equipped with Deans high current connectors
- Works with up to 6S LiPo
- Optional DSB-R programming box available (ORI65150)

The Vortex R8 Pro Brushless ESC is designed for racers and those that want the best there is. It has a 950A peak current and advanced software that allows it to achieve max performance in all conditions.



Specifications

	Vortex R8 Pro
Part#	ORI65105
Rated current	180A/950A peak
Type	Sensor/Sensorless
Resistance	0.0002 Ω
Function modes	Forward/Brake - Forward/Brake/Reverse Forward/Reverse (Crawler)
Motor type	4S: up to 3000KV, 6S up to 2400KV
Battery	6-18 NiMH/NiCd, 2-6S LiPo/LiFe
BEC	5.75V/3A, Linear
Size and weight	56x46.5x35mm, 105g

# SENSORLESS ESC'S 100% WATERPROOF



NEW!


 1/10 & 1/8  
SENSORLESS  
ESC

 2-3S LIPO  
OR  
2-4S LIPO

HIGH PERFORMANCE

 ADVANCED  
CUSTOMISABLE  
SETTINGS

 OPTIONAL  
ORI65150 PROGRAM  
BOX AVAILABLE

Thanks to the new Team Orion waterproof electronics speed controllers you can run your car in any conditions and not have to worry about damage from water, snow or any other extreme conditions.

#### Vortex R10 Sport WP 45A


 Vortex R10 Sport WP 45A - Deans  
ORI65113

#### Vortex R10 Sport WP 60A


 Vortex R10 Sport WP 60A - Deans  
ORI65114

#### Vortex R10 SC WP 100A


 Vortex R10 SC WP 100A - Deans  
ORI65115

#### Vortex R8 WP 130A


 Vortex R8 WP 130A - Deans  
ORI65116

The Vortex R10 Sport WP 45A is a high-performance sensorless electronic speed controller for 1/10 scale on-road and off-road cars. Thanks to its proven technology and hardware this is the perfect choice for beginners using entry level cars. The Vortex R10 WP 45A can be used with LiPo batteries with 2 and 3 cells and motors up to 6000KV.

The Vortex R10 Sport WP 60A is a high-performance sensorless electronic speed controller for 1/10 scale on-road and off-road cars. This ESC uses proven technology and hardware making it the perfect choice for those which use higher performance RTR cars. It can be used with LiPo batteries with 2 and 3 cells and motors up to 6000KV.

The Vortex R10 SC WP is a high-performance sensorless electronic speed controller designed with monster and short course trucks in mind. This ESC uses proven technology and hardware making it the perfect choice for high-performance trucks. It can be used with LiPo batteries with 2 and 3 cells and motors up to 6000KV.

The Vortex R8 WP is a high-performance sensorless electronic speed controller designed for 1/8 scale cars. This ESC uses proven technology and hardware making it the perfect choice for high-performance 1/8 scale cars. The Vortex R8 WP can be used with LiPo batteries with 2 to 4 cells and motors up to 6000KV.

Specifications	Vortex R10 Sport WP 45A Deans	Vortex R10 Sport WP 60A Deans	Vortex R10SC WP Deans	Vortex R8 WP Deans
Rated current	45A/290A	60A/290A	100A / 520A	130A / 760A
Type			Sensorless	
Function modes	Forward/Brake - Forward/Brake/Reverse		Forward/Brake - Forward/Brake/Reverse - Forward/Reverse (Crawler)	
Resistance	0.0012 ohm	0.0012 ohm	0.0007 ohm	0.0004 ohm
Motor type	2S LiPo: up to 6000KV (On-Road), up to 4000KV (Off-Road) 3S LiPo: up to 4000KV (On-Road), up to 2500KV (Off-Road)	2S LiPo: up to 6000KV (On-Road), up to 4000KV (Off-Road) 3S LiPo: up to 4000KV (On-Road), up to 2500KV (Off-Road)	2S LiPo: up to 6000KV 3S LiPo: up to 4000KV	2S LiPo: up to 6000KV 3S LiPo: up to 4000KV 4S LiPo: up to 3000KV
Battery	4-9Z NiMH/NiCd, 2-3S LiPo/LiFe	4-6Z NiMH/NiCd, 1-2S LiPo/LiFe	6-9Z NiMH/NiCd, 2-3S LiPo/LiFe	6-12Z NiMH/NiCd, 2-4S LiPo/LiFe
BEC	6V/3A	6V/3A	6V/3A	6V/3A
Size and weight	36x34x35mm, 75g	36x34x35mm, 75g	59.3x38.4x33.6mm, 110g	59.3x38.4x33.6mm, 110g

# 540 SIZE MODIFIED 1/10 VORTEX VST2 PRO

NEW!

1/10 SENSOR  
BRUSHLESS  
RACING MOTOROPTIMIZED  
FOR 90C LIPO  
TECHNOLOGYFULLY  
REBUILDABLEDUAL  
SENSOR  
PORTMODIFIED  
VERSION

The new VST2 motor features our latest developments in brushless technology. With the input of our world championship winning team we have designed our best motor to date. High performance and stability in all conditions.

The VST2 motor is a new generation of motor that is a big step up from our current designs. New technical solutions have been developed to improve, performance, stability and reliability. The motor uses high grade materials and is now equipped with two sensor ports, facilitating wire management.

## Features

- 540 size motor for 1/10 scale cars
- 3.5T to 9.5T 2 pole
- 4000KV to 5200KV 4 pole
- Rebuildable 2 piece motor can design
- Adjustable timing
- Dual Sensor Port for better wire management
- Aluminum rear sensor cover
- Optimised sensor - rotor - stator positioning for improved efficiency and lower heat build-up
- New stack design for improved efficiency
- New cooling vent design for improved cooling
- Extra thick front plate for improved reliability and cooling
- Extra thick solder posts for improved connection
- New sensor holder design
- New winding connection plates design
- Comes with a rotor removal tool
- Available in 2 and 4 pole versions
- Designed in Switzerland



A new motor production line has been specifically put into place for the VST2 motors. Our R&D manager Oscar Jansen valuable input ensures that each motor is built with the highest quality standards.

### Details

Weight	188g
Length	52.8 mm
Motor Diameter	35.8 mm
Shaft Length	15 mm
Shaft Diameter	3.175 mm
Sensor and sensorless	yes
Adjustable timing	yes

	2P 3.5T	2P 4.0T	2P 4.5T	2P 5.5T	2P 6.5T	2P 7.5T	2P 8.5T	2P 9.5T	4P 4000KV	4P 4600KV	4P 5200KV
Part Number	ORI28254	ORI28255	ORI28256	ORI28257	ORI28258	ORI28259	ORI28260	ORI28261	ORI28267	ORI28268	ORI28269
Size	540	540	540	540	540	540	540	540	540	540	540
Voltage	1-2S	1-2S	1-2S	1-2S	1-3S	1-3S	1-3S	1-3S	max. 3S	max. 2S	max. 2S
kV	10850	9920	9400	7770	6750	6200	5400	4940	4000	4600	5200
Power/W	850	800	750	670	600	550	490	430	700	750	800
Current/A	100	95	90	80	72	65	58	52	80	90	100
Efficiency	92%	92%	92%	91%	91%	91%	91%	91%	92%	92%	93%
Poles	2	2	2	2	2	2	2	2	4	4	4

# 540 SIZE STOCK 1/10 VORTEX VST2 PRO

NEW!



DUAL SENSOR PORT


 WORLD  
CHAMPIONS

 1/10 SENSOR  
BRUSHLESS  
RACING MOTOR

 OPTIMIZED  
FOR 90C LIPO  
TECHNOLOGY

 FULLY  
REBUILDABLE

 DUAL  
SENSOR  
PORT

 STOCK  
VERSION

The VST2 Pro Stock brushless motor features specific developments for the stock racing class. Using the input from our racing team, Oscar Jansen has developed a stock class motor that features performance at the peak of the technology.

The VST2 motor is a new generation of motor that is a big step up from our current designs. New technical solutions have been developed to improve, performance, stability and reliability. The motor uses high grade materials and is now equipped with two sensor ports, facilitating wire management.

The VST2 Pro Stock motor follows the regulations edicted by the leading organizations. It's available in the most popular winds, from 10.5T to 21.5T.

Details	
Weight	188g
Length	52.8 mm
Motor Diameter	35.8 mm
Shaft Length	15 mm
Shaft Diameter	3.175 mm
Sensor and sensorless	yes
Adjustable timing	yes

The motor specifications follow the rules edicted by EFRA, ROAR, FEMCA and IFMAR.



## Features

- 540 size motor for 1/10 scale cars
- 10.5T to 21.5T 2 pole
- Rebuildable 2 piece motor can design
- Adjustable timing
- Dual Sensor Port for better wire management
- Plastic rear sensor cover
- Optimised sensor - rotor - stator positioning for improved efficiency and lower heat build-up
- New stack design for improved efficiency
- New cooling vent design for improved cooling
- Extra thick front plate for improved realiability and cooling
- Extra thick solder posts for improved connection
- New sensor holder design
- New winding connection plates design
- Comes with a rotor removal tool
- Available in 2 and 4 pole versions
- Designed in Switzerland



	2P 10.5T	2P 13.5T	2P 17.5T	2P 21.5T
Size	540	540	540	540
Part Number	ORI28250	ORI28251	ORI28252	ORI28253
Voltage	1-3S	1-3S	1-3S	1-3S
kV	4570	3650	2600	2350
Power/W	385	330	295	250
Current/A	46	40	35	30
Efficiency	91%	91%	90%	90%
Poles	2	2	2	2

# 550 SIZE 1/10 OFF-ROAD VORTEX VST2 PRO

**NEW!**



**WORLD CHAMPIONS**

550 SIZE SENSOR  
BRUSHLESS MOTOR

OPTIMIZED  
FOR 90C LIPO  
TECHNOLOGY

FULLY  
REBUILDABLE

4.5T TO 7.5T 2 POLE  
4000KV 4 POLE

DUAL  
SENSOR PORT

We have also developed a 550 size version of our new VST2 Pro motor. There are four different winds available and a 4 poles 4000KV outlaw version. This is the motor to beat for short-course trucks and other oversized off-road cars.

The Short Course category has become a very popular racing class. Thanks to this popularity, the cars have evolved, increasing the performance levels and allowing the use of more powerful motors and batteries. As with all Vortex racing brushless motors, the 550 size VST2 Pro has been extensively tested by our world championship winning team. This ensures that you get a motor that has all the right characteristics to give you an edge over the competition. This motor has the same features as our new 540 size VST2 Pro motors, but it uses a longer can, longer magnet for extra torque and a 5mm shaft. Available in different winds from 4.5T to 7.5T.



**Details**

Weight	258g
Length	69.5 mm
Motor Diameter	35.8 mm
Shaft Length	16.5 mm
Shaft Diameter	5 mm
Sensor and sensorless	yes
Adjustable timing	yes

**Features**

- 550 size motor for short course trucks
- 4.5T to 7.5T 2 pole
- 4000KV Outlaw 4 pole
- Rebuildable 2 piece motor can design
- Adjustable timing
- Dual Sensor Port for better wire management
- Aluminum rear sensor cover
- Optimised sensor - rotor - stator positioning for improved efficiency and lower heat build-up
- New stack design for improved efficiency
- New cooling vent design for improved cooling
- Extra thick front plate for improved reliability and cooling
- Extra thick solder posts for improved connection
- New sensor holder design
- New winding connection plates design
- Comes with a rotor removal tool
- Available in 2 and 4 pole versions
- Designed in Switzerland

	2P 4.5T	2P 5.5T	2P 6.5T	2P 7.5T	4P 4000KV
Size	550	550	550	550	550
Part Number	ORI28263	ORI28265	ORI28264	ORI28265	ORI28266
Voltage	1-2S	1-3S	1-3S	1-3S	2S
kV	4800	4040	3450	3030	4000
Power/W	910	820	730	670	1000
Current/A	100	80	60	50	120
Efficiency	92%	92%	92%	91%	92%
Poles	2	2	2	2	4

# 690 SIZE 1/8 OFF-ROAD VORTEX VST2 PRO

NEW!



DUAL SENSOR PORT


 WORLD  
CHAMPIONS

 1/8 SENSOR  
BRUSHLESS  
RACING MOTOR

 OPTIMIZED  
FOR 90C LIPO  
TECHNOLOGY

 FULLY  
REBUILDABLE

 4 POLE SENSOR  
TECHNOLOGY

 DUAL  
SENSOR PORT

We have designed a new 1/8 off-road sensor motor Based on our 1/10 VST2Pro motor developments. This new motor is fully rebuildable and also features our dual sensor port design.

We have improved on the design of our previous 1/8 brushless racing motors with these new VST2 Pro 1/8 sensor motors. Everything has been redesigned, for more performance and reliability. The motor is now fully rebuildable, the sensor can be replaced and it also features our dual port design.

A new motor production line has been specifically put into place for the VST2 motors. Our R&D manager Oscar Jansen valuable input ensures that each motor is built with the highest quality standards.



## Details

Weight	325g
Length	69 mm
Motor Diameter	43.2 mm
Shaft Length	18 mm
Shaft Diameter	5 mm
Sensor and sensorless	yes
Adjustable timing	no

## Features

- 690 size motor for 1/8 scale cars
- 1900KV to 2500KV 4 pole
- Rebuildable 3 piece motor can design
- Dual Sensor Port for better wire management
- Aluminum rear sensor cover.
- Optimised sensor - rotor - stator positioning for improved efficiency and lower heat build-up
- New stack design for improved efficiency
- New cooling vent design for improved cooling
- Extra strong aluminum case for improved reliability and cooling
- Extra thick solder posts for improved connection
- New sensor holder design
- Designed in Switzerland

	4P 1900KV	4P 2100KV	4P 2500KV
Size	690	690	690
Part Number	ORI28270	ORI28271	ORI28272
Voltage	2-6S	2-4S	2-4S
kV	1900	2100	2500
Power/W	2100	2300	2650
Current/A	100	120	150
Efficiency	93%	92%	92%
Poles	4	4	4

# 1/10 550 OFF-ROAD SENSORLESS COMBOS



WATERPROOF



4 POLE SENSORLESS  
BRUSHLESS  
SYSTEM

2400KV AND 3800KV  
5MM OR 3MM  
MOTOR SHAFT

WATERPROOF  
VORTEX R10 ESC

EASY TO USE  
NO SOLDERING  
REQUIRED

ADVANCED  
CUSTOMISABLE  
SETTINGS

The Neon 550 size brushless combo is designed for short-course trucks and other oversized 1/10 off-road cars. The 4 pole motor and ESC with customisable advanced software offer great performance at a great price.

## Neon550 2400KV



Runtime  
Power

ORI66092 Combo, Shaft: 3.175mm  
ORI66093 Combo, Shaft: 5mm

ESC	Vortex R10 WP Deans
Part#	ORI65115
Type	Sensorless
Rated current	100A / 520A
Battery	6-9Z NiMH/NiCd, 2-3S LiPo/LiFe
BEC	6V/3A
Weight/size	59.3x38.4x33.6mm, 110g

## Neon550 3800KV



Runtime  
Power

ORI66096 Combo, Shaft: 3.175mm  
ORI66097 Combo, Shaft: 5mm

ESC	Vortex R10 WP Deans
Part#	ORI65115
Type	Sensorless
Rated current	100A / 520A
Battery	6-9Z NiMH/NiCd, 2-3S LiPo/LiFe
BEC	6V/3A
Weight/size	59.3x38.4x33.6mm, 110g

## Features

- Vortex world champion brushless technology
- Optimal sensorless ESC/motor combination
- Designed for short-course trucks and 1/10 scale off-road cars
- 2400kv or 3800kv 4-pole sensorless motor
- High performance waterproof Vortex R ESC
- Forward/brake, forward/brake/reverse or forward/reverse (crawler) function
- Easy setup no soldering required
- Status control by LED and audio tone
- Works with up to 3S LiPo
- Low voltage cut-off system for battery protection
- High grade silicone wire
- Gold connectors
- Optional DSB-R programming box available (ORI65150)



Traxxas® Slash with Team Orion equipment.

# 1/8 690 OFF-ROAD SENSORLESS COMBOS



WATERPROOF

NEW!


 4 POLE SENSORLESS  
BRUSHLESS  
SYSTEM

 2000KV  
OR 2100KV  
WATERPROOF

 WATERPROOF  
VORTEX R8 ESC

 EASY TO USE  
NO SOLDERING  
REQUIRED

 ADVANCED  
CUSTOMISABLE  
SETTINGS

The Neon 8 is a cost friendly 1/8 brushless combo ideal for regular people need good performance but cannot afford the costs of racing grade systems. The set is made up of a 4 pole sensorless motor and a waterproof ESC.

## Neon8 2000KV


 Runtime  
Power

 ORI66094 Brushless Motor and  
Waterproof ESC Neon 8 2000KV 5mm

## Neon8 2100KV Waterproof


 Runtime  
Power

 ORI66095 Waterproof Brushless Motor  
and ESC: Neon 8 2100KV WP 5mm

ESC	Vortex R8 WP Deans
Part#	ORI65116
Type	Sensorless
Rated current	130A / 760A
Battery	6-12Z NiMH/NiCd, 2-4S LiPo/LiFe
BEC	6V/3A
Weight/size	59.3x38.4x33.6mm, 110g

ESC	Vortex R8 WP Deans
Part#	ORI65116
Type	Sensorless
Rated current	130A / 760A
Battery	6-12Z NiMH/NiCd, 2-4S LiPo/LiFe
BEC	6V/3A
Weight/size	59.3x38.4x33.6mm, 110g

Motor	2000KV
Part#	ORI28187
Type	Sensorless, 4 Pole
RPM/V	2000
Application	1/8 Off-Road
Voltage	7.2-16.8V (2-4S LiPo)
Dimensions	D40.2xL61mm
Plug	5mm
Weight	Goldstecker 4mm
Gewicht	344g

Motor	2100KV
Part#	ORI28188
Type	Sensorless, 4 Pole
RPM/V	2100
Application	1/8 Off-Road
Voltage	7.2-16.8V (2-4S LiPo)
Dimensions	D40.2xL61mm
Plug	5mm
Weight	Goldstecker 4mm
Gewicht	352g

## Features

- Vortex world champion brushless technology
- Optimal sensorless ESC/motor combination
- Designed for 1/8 scale off-road cars
- 2000kv or 2100kv 4-pole sensorless motor
- High performance waterproof Vortex R ESC
- Forward/brake, forward/brake/reverse or forward/reverse (crawler) function
- Easy setup no soldering required
- Status control by LED and audio tone
- Works with up to 3S LiPo
- Low voltage cut-off system for battery protection
- High grade silicone wire
- Gold connectors
- Optional DSB-R programming box available (ORI65150)

The new Neon 8 combos are designed for high performance and quality at a friendly price. The Vortex R WP ESC is waterproof and can withstand currents of 130A constant and 760A peak! The Vortex Neon 8 motor comes in 2000kv and it's a first, a 2100kv waterproof version.

The Neon 8 brushless combos are ideal for those starting with 1/8 brushless off-road!

# 1/10 ON- & OFF-ROAD SENSORLESS COMBOS



4-POLE SENSORLESS  
BRUSHLESS  
SYSTEM

3 DIFFERENT  
WINDS AVAILABLE

NEW GENERATION  
SPLASH PROOF ESC

EASY TO USE  
NO SOLDERING  
REQUIRED

HIGH GRADE  
SILICONE WIRES  
GOLD CONNECTORS

The Neon Brushless System sets a new standard for entry level brushless systems. A reliable new generation ESC, combined with a new 4-pole sensorless brushless motor!

Combo 14T/4100KV



Runtime  
Power

ORI66082 Deans-Plug  
Neon 14T 4100KV Brushless Combo

Combo 17T/3280KV



Runtime  
Power

ORI66083 Deans-Plug  
Neon 17T 3280KV Brushless Combo

Combo 19T/2750KV



Runtime  
Power

ORI66084 Tamiya-Plug  
Neon 19T 2750KV Brushless Combo

## Features

- Vortex world champion technology
- Optimal ESC/motor combinations
- 3 different winds available
- Designed for 1/10 scale on-road and off-road cars
- 4-pole sensorless brushless motor
- New generation 45A/290A Vortex R10 Sport ESC
- Forward/brake and forward/brake/reverse function modes
- Available with Deans or Tamiya plugs (depending on motor type)
- Works with up to 3S LiPo
- Low voltage cut-off system for battery protection
- High grade silicone wire
- Gold connectors
- Easy setup
- Status control by LED and audio tone
- Customisable settings
- Optional DSB-R programming box available (ORI65150)

ESC	Vortex R10 Sport Deans
Part#	ORI65110
Type	Sensorless
Rated current	45A / 290A
Battery	4-9Z NiMH/NiCd, 2-3S LiPo/LiFe
BEC	6V/3A
Weight/size	31.5x27.5x33mm, 74g

Motor	4100KV	3280KV
Part#	ORI28182	ORI28183
Type	Sensorless, 4 Pole	Sensorless, 4 Pole
RPM/V	4100	3280
Application	1/10 Off-Road/On-Road	1/10 Off-Road/On-Road
Voltage	4.5-12.6V	4.5-12.6V
Dimensions	D38.5xL52mm	D38.5xL52mm
Plug	3.175mm	3.175mm
Weight	Goldstecker 3.5mm	Goldstecker 3.5mm

Motor	2750KV
Part#	ORI28184
Type	Sensorless, 4 Pole
RPM/V	2750
Application	1/10 Off-Road/On-Road
Voltage	4.5-12.6V
Dimensions	D38.5xL52mm
Plug	3.175mm
Weight	Goldstecker 3.5mm

# BRUSHED TECHNOLOGY TUNING MOTORS


 BRUSHED  
MODIFIED MOTOR

 ADJUSTABLE  
TIMING

REBUILDABLE

 4 WINDS  
AVAILABLE

 EASY SOLUTION  
TO IMPROVE  
PERFORMANCE

The Method Pro motors is the new generation of Method motors. Team Orion's world championship winning technology is built into these cost friendly motors. Installing a Method motor in your car is the easiest way to improve its performance and have more fun when you are running it. The motors can be rebuilt and the brushes replaced easily.

12 Turns



Runtime  
Power  
Method Pro 12 Turns  
ORI25126

15 Turns



Runtime  
Power  
Method Pro 15 Turns  
ORI25127

The Method Pro is manufactured using a high-grade and rebuildable, ventilated case. These motors are the ideal first step for those that want to improve the performance of their RTR cars. They are available in different winds to suit a wide range of on-road and off-road cars. The brushes are screwed on and can be easily replaced and the motor comes with bullet connectors, this means that no soldering is required.

17 Turns



Runtime  
Power  
Method Pro 17 Turns  
ORI25128

20 Turns



Runtime  
Power  
Method Pro 20 Turns  
ORI25129

## Features

- High performance modified brushed motor
- High quality motor can
- Improved cooling
- Fully rebuildable
- Adjustable timing
- Easy to replace brushes and springs
- 4 different winds available, 12T, 15T, 17T and 20T.
- Easy way to vastly improve your car's performance (on-road and off-road applications)
- Team Orion racen proven technology
- Bullet type connectors

# OVERVIEW: BRUSHLESS MOTORS

## 1/8 Scale Motors



### Vortex VST2 Pro - 690

Power:  PRO

ORI28270 Vortex VST2 690 4P 1800KV  
ORI28271 Vortex VST2 690 4P 2100KV  
ORI28272 Vortex VST2 690 4P 2500KV

### Vortex Neon 8

Power:  HOBBY

ORI28187 Neon8 2000KV  
ORI28188 Neon8 2100KV Waterproof

## 1/10 Scale Motors



### Vortex VST2 Pro - 550

Power:  PRO

ORI28262 Vortex VST2 550 2P SC Modified 4.5 turns  
ORI28263 Vortex VST2 550 2P SC Modified 5.5 turns  
ORI28264 Vortex VST2 550 2P SC Modified 6.5 turns  
ORI28265 Vortex VST2 550 2P SC Modified 7.5 turns  
ORI28266 Vortex VST2 550 4P SC 4000KV Outlaw

### Vortex Neon - 550

Power:  HOBBY

ORI28185 Neon550 2400KV 3mm shaft  
ORI28186 Neon550 2400KV 5mm shaft  
ORI28189 Neon550 3800KV 3mm shaft  
ORI28190 Neon550 3800KV 5mm shaft



### Vortex VST2 Pro - 540

Power:  PRO

ORI28250 Vortex VST2 540 2P Stock 10.5 turns  
ORI28251 Vortex VST2 540 2P Stock 13.5 turns  
ORI28252 Vortex VST2 540 2P Stock 17.5 turns  
ORI28253 Vortex VST2 540 2P Stock 21.5 turns  
ORI28254 Vortex VST2 540 2P Modified 3.5 turns  
ORI28255 Vortex VST2 540 2P Modified 4.0 turns  
ORI28256 Vortex VST2 540 2P Modified 4.5 turns  
ORI28257 Vortex VST2 540 2P Modified 5.5 turns  
ORI28258 Vortex VST2 540 2P Modified 6.5 turns  
ORI28259 Vortex VST2 540 2P Modified 7.5 turns  
ORI28260 Vortex VST2 540 2P Modified 8.5 turns  
ORI28261 Vortex VST2 540 2P Modified 9.5 turns  
ORI28267 Vortex VST2 540 4P SC 4000KV  
ORI28268 Vortex VST2 540 4P SC 4600 KV  
ORI28269 Vortex VST2 540 4P SC 5200 KV

### Vortex Neon - 540

Power:  HOBBY

ORI28182 Vortex Neon 14T 4100KV  
ORI28183 Vortex Neon 17T 3280KV  
ORI28184 Vortex Neon 19T 2750KV

## Program Box for Brushless ESC's



ORI65150 Vortex DSB-R Program Box

The DSB-R program box is compatible with all the Vortex R series ESC. The program box allows you to adjust ESC settings and update the ESC software when updates are available. Depending on the ESC type, the program box is required to modify certain settings.

**Compatible with all Vortex R-Series controllers.**

## Motor Spare Parts

ORI41512 Sensor Module w/bearing VST2Pro 540 Modified  
ORI41513 Sensor Module w/bearing VST2Pro 540/550 4P  
ORI41514 Sensor Module w/bearing VST2Pro 690  
ORI41515 Front Bearing VST2Pro 540 2P/4P  
ORI41516 Front Bearing VST2Pro 690  
ORI41517 Rotor VST2Pro 540 2P Stock  
ORI41518 Rotor VST2Pro 540 2P Modified  
ORI41519 Rotor VST2Pro 550 2P  
ORI41520 Rotor VST2Pro 550 4P  
ORI41521 Rotor VST2Pro 540 4P  
ORI41522 Rotor VST2Pro 690 4P  
ORI41523 Sensor cover VST2Pro 10pcs  
ORI41529 Sensor Module w/bearing VST2Pro 540 Stock  
ORI41530 Front Bearing VST2Pro 550 2P/4P  
ORI41531 Soldering tab cover VST2Pro 540/550  
ORI41532 Soldering tab cover VST2Pro 690  
ORI41533 Rotor removal tool VST2Pro 540/550 2P  
ORI41534 Stator with winding for 540 2P.x.5T  
ORI41535 Aluminum End bell w/screws VST2Pro 540/550  
ORI41536 Plastic End bell w/screws VST2Pro 540/550  
ORI41537 Screws VST2Pro 540/550 case / VST2 690 Endbell (10pcs)  
ORI41538 Screws VST2Pro 540/550 Endbell (10pcs)  
ORI41539 Screws VST2Pro 690 case (10pcs)  
ORI41540 Screws Neon 8 WP case (10pcs)  
ORI41541 Screws Vortex RTR motor case (10pcs)

## Online: Waterproof ESC

Check [www.teamorion.com/waterproof](http://www.teamorion.com/waterproof) for more info.

## Online: Chargers

Check [www.teamorion.com/touch](http://www.teamorion.com/touch) for more info.

# NEW SERVOS: FAST & POWERFUL

NEW!


 6V TO 7.4V  
LIPO COMPATIBLE

WATERPROOF

 HIGH SPEED  
& HIGH TORQUE  
VERSIONS

METAL GEARS

 DIGITAL  
HIGH-PRECISION

The new Vortex VDS2 servos are two new servos that are designed to fulfill the most current applications in RC cars. Whether it's on-road or off-road, 1/10 scale or Monster trucks, these servos have the power to handle any situation.

## Features

- Competition grade performance
- Digital High voltage servos
- Coreless motor
- Waterproof
- 6.0V to 7.4V input voltage
- Use Lipo directly without regulator
- Aluminum heatsink
- Metal gears
- Dual ballbearing
- 25 tooth Futaba type servo horn
- JR/hitec type gold plated plug

The new Vortex VDS2HV servos have been developed to handle any type of use. Whether you are running on-road, off-road or monster trucks, they can handle any situation, whether you are bashing or racing. These servos can be powered by 6V NiMh or 7.4V LiPo batteries directly, no power regulator is required when using these servos with Lipo receiver packs. They are equipped with metal gears and are waterproof.

## Applications

**VDS2-HV1605**  
1/10 Electric cars  
1/10 Nitro Steering/throttle  
1/8 Nitro Steering

**VDS2-HV2607**  
1/8 throttle/brakes  
Monster trucks

### VDS2-HV 1605



### VDS2-HV 2607



#### Torque

#### Speed

Vortex VDS2-HV 1605 High-Speed Servo  
ORI68026

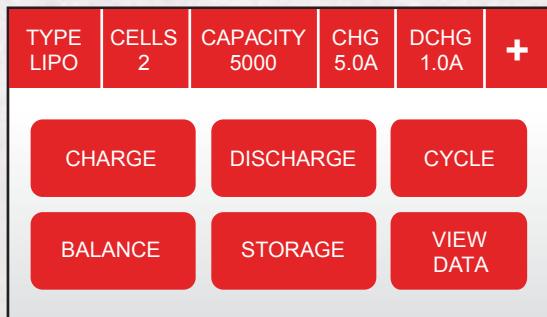
#### Torque

#### Speed

Vortex VDS2-HV 2607 High-Torque Servo  
ORI68027

Name	VDS2-HV 1605	VDS2-HV 2607
Part#	ORI68026	ORI68027
Programmable	Yes	Yes
Torque kg-cm @7.4V	16	26
Speed /60° @7.4V	0.05s	0.07s
Torque	222	361
Plug	Gold	Gold
Weight	62g	62g
Size	40(H)x20(W)x41(L)mm	40(H)x20(W)x41(L)mm
Motor	Coreless	Coreless
Voltage (V)	6.0 - 7.4V	6.0 - 7.4V
Gears	Full metal	Full metal
Ball Bearings	Dual	Dual
Spline	25 T (Futaba)	25 T (Futaba)

# THE NEW TOUCH CHARGER TECHNOLOGY



The ATTS charging software is specially designed for Touch Screen chargers. All our Touch chargers are equipped with the following functions:

- Charge
- Discharge
- Formieren
- Balancing
- Storage
- Charge data display

Jared Tebo and his Team Orion Advantage Touch charger!



This is what makes the Advantage Touch Technology exclusive:



HIGH PRECISION  
CHARGING SYSTEM



240x400 PIXEL  
TFT COLOR TOUCH SCREEN



ADVANCED TOUCH  
TECHNOLOGY SOFTWARE



ADVANCED BALANCING

## HPC Processor

It's important that the charger gives the battery a complete charge, no matter the type and original status of the battery. Through extensive R&D we have found the best charge and discharge profiles to ensure a safe and reliable charge and discharge, time after time. The high precision charging circuitry manages the charge and discharge with unprecedented levels of accuracy, delivering optimal battery performance charge after charge.

**Spectra TFT Screen.** On a device such as this one, the screen is a very important part of the charger. The 3" 400x240 color TFT-LCD display combined with our specialized ATTS touch software offers an exclusive "touch" experience for the user. Selected high grade components ensure a flawless and intuitive experience, the information is clearly displayed on the screen and the touch screen precisely registers the user input. Thanks to its "touch" input, the charger reaches new levels of usability and interactivity.

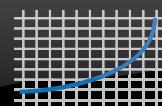
## ATTS Software

The ATTS software was specifically designed for the Advantage charger, its interface offers both ease of use for beginners and customizability for experienced users. All of the information is clearly displayed on the high-resolution color screen, this means that having to read lengthy user manuals is a thing of the past, the charger offers a very intuitive experience. To make things even simpler for users with limited knowledge, a setup assistant helps the user to setup to charger.

## Advanced Balancing

The Advantage Touch charger is equipped with a lithium battery balance function. This function enables you to check the status of your lithium batteries and if required it can balance the cells without having to use the charge or discharge functions of the charger. A graphic display and data such as voltage and IR for each cell are displayed on the screen indicating their current status.

**NEW!**



GRAPHICS ENGINE



CHARGE ASSISTANT



UPDATABLE FIRMWARE  
VIA USB CONNECTION



MULTI-LANGUAGE  
SOFTWARE

## Graphics Engine

Thanks to its advanced software and hardware capabilities, the charger can display the current charge and discharge status with a graphic. Graphics give a visual reading of data which can help you better visualize the current state of the battery. You can check the battery charge and discharge voltage curves which may indicate eventual inconsistencies with the battery function.

## Charge Assistant

Adjusting the correct parameters into the charger is not an easy task for those that are not familiar with charging batteries. To help out these users, the Advantage Touch charger features a setup assistant which allows you to easily setup the charger parameters by following the on-screen information.

## Updatable Firmware

The charger is equipped with a mini USB port. Thanks to this port, you can connect your charger to a computer and update its software. Updated software can improve the capabilities of the charger, it also helps it maintain its original value since you can always have the latest functionalities. Software updates can be downloaded from our website [www.teamorion.com/touch](http://www.teamorion.com/touch).

## Multi-Language Software

The latest generation of touch chargers features six pre-installed interface languages: english, japanese, german, french, italian and swedish.

# AC/DC 100W TOUCH CHARGER!

NEW!


 advantage  
**TOUGH**

 Charge with  
up to **10A!**

 3" 400X240 COLOR  
TOUCH SCREEN

 FOR LIPO, LIFE,  
LIION, NIMH, NICD  
& PB BATTERIES

 DUAL INPUT  
11-18VDC AND  
100-240VAC

 CHARGE SETUP  
ASSISTANT

 SIX  
LANGUAGE PACKS  
PRE-INSTALLED

The Advantage Touch Advance is our new AC/DC high power charger. Thanks to the integrated 100W power supply, you can reach charge rates of up to 10A.

This multi-purpose charger can charge, discharge, balance and cycle NiMH, NiCd, LiPo, LiFe, Lilon and Pb batteries. Thanks to its touch interface it is very easy to use even for those who are not familiar with battery charging.

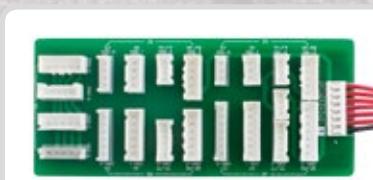
## Specifications

Input:	11-18VDC 100-240VAC
Integrated power supply:	Yes, 100W
Charge:	0.1-10A
Discharge:	0.1-5A, max. 10W
Cells:	NiMH/NiCd 1-15 cells LiPo/LiFe/Lilon 1-6S Pb 2-20V
Size:	L170xB158xH45mm
Weight:	744g

## Packaging Contents

- Advantage Touch Charger w/power cord
- 4-in-1 Balancing Board (XH, TP/FP, EH and HP/PQ)
- TRX, Deans, Tamiya, crocodile, EC3, BEC and Futaba charge leads
- USB cable for firmware upgrade
- Bedienungsanleitung und Quick Start User Guide

ORI30207 EU-Version  
ORI30208 UK-Version  
ORI30209 USA-Version  
ORI30210 CH-Version  
ORI30211 JP-Version  
ORI30212 AU-Version



The new 4-in-1 XH, TP/FP, EH and HP/PQ balancing board is included with the charger.


 Integrated power supply **100W**


4-in-1 Balancing Board



Charge assistant


 Multi-lingual interface  
**6 languages pre-installed!**

 Dual Input  
11-18VDC / 100-240VAC


Graphic charge/discharge display



Graphic balancing display


 Upgradeable software via  
USB

# AC/DC 50W TOUCH CHARGER!



3" 400X240 COLOR  
TOUCH SCREEN

FOR LIPO, LIFE,  
LION, NIMH, NICD  
& PB BATTERIES

DUAL INPUT  
11-18VDC AND  
100-240VAC

CHARGE SETUP  
ASSISTANT

TOUCH  
TECHNOLOGY  
HIT PRICE

The original Advantage Touch charger with its 400x240 TFT color screen was the first of the new generation of Team Orion Touch chargers.

This multi-purpose charger can charge, discharge, balance and cycle NiMH, NiCd, LiPo, LiFe, Lilon and Pb batteries. Thanks to its touch interface it is very easy to use even for those which are not familiar with battery charging.

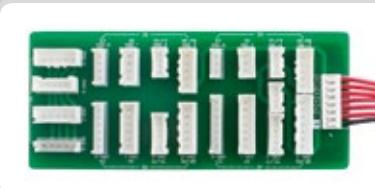
ORI30185 EU-Version  
ORI30186 UK-Version  
ORI30187 USA-Version  
ORI30188 CH-Version  
ORI30189 JP-Version  
ORI30190 AU-Version

## Specifications

Input:	11-18VDC 100-240VAC
Integrated power supply:	Yes, 50W
Charge:	0.1-6A
Discharge:	0.1-2A, max. 5W
Cells:	NiMH/NiCd 1-15Z LiPo/LiFe/Lilon 1-6C Pb 2-20V
Size:	L170xB158xH45mm
Weight:	662g

## Packaging Contents

- Advantage Touch Charger w/power cord
- 4-in-1 Balancing Board (XH, TP/FP, EH and HP/PQ)
- TRX, Deans, Tamiya, crocodile, EC3, BEC and Futaba charge leads
- USB cable for firmware upgrade
- Bedienungsanleitung und Quick Start User Guide



The new 4-in-1 XH, TP/FP, EH and HP/PQ balancing board is included with the charger.



Integrated power supply **50W**



**4-IN-1** 4-in-1 Balancing Board



Charge assistant



Multi-lingual interface  
**6 languages available!**



Dual Input  
**11-18VDC / 100-240VAC**



Graphic charge/discharge  
display



Graphic balancing display



Upgradeable software via  
USB

# ADVANTAGE TOUCH PRO 12V HIGH-END CHARGER

NEW!


 advantage  
**TOUCH**  
PRO

 150W  
Charge Power

The Advantage Touch Pro is designed for those that require high power charging and discharging. It can charge your batteries with up to 10A and discharge them with up to 20A.

The Advantage Touch Pro charge is our most powerful touch technology charger. It can charge and discharge your batteries at a high rate allowing you to squeeze out the maximum performance out of your batteries. A must for the serious competitors!

## Specifications

Input:	11-18VDC
Integrated power supply:	No
Charge:	0.1-12A, max. 150W
Discharge:	0.1-20A, max. 100W
Cells:	NiMH/NiCd 1-15Z LiPo/LiFe/Lilon 1-6C Pb 2-20V
Size:	L170xB158xH45mm
Weight:	840g

## Packaging Content

- Advantage Touch Charger w/power cord
- 4-in-1 Balancing Board (XH, TP/FP, EH and HP/PQ)
- TRX, Deans, Tamiya, crocodile, EC3, BEC and Futaba charge leads
- USB cable for firmware upgrade
- Bedienungsanleitung und Quick Start User Guide

ORI30205 Advantage Touch Pro



12A charge 20A discharge



4-in-1 Balancing Board



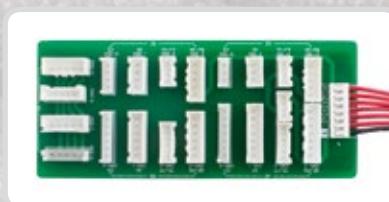
Charge assistant


 Multi-lingual interface  
6 languages pre-installed!


Graphic charge/discharge display



Graphic balancing display


 Upgradeable software via  
USB


The new 4-in-1 XH, TP/FP, EH and HP/PQ balancing board is included with the charger.

# ADVANTAGE ONE 406 UNIVERSAL CHARGER

**NEW!**



COMPACT  
ENTRY LEVEL  
CHARGER

FOR LIPO, LIFE,  
NIMH AND NICD

12V / 100-240V  
AC/DC POWER

TEAM ORION  
DESIGN

BACKLIT  
LCD SCREEN

The new ONE 406 charger is a compact size AC/DC charger that offers Team Orion quality and design at an affordable price. The ONE 406 charges the most popular battery types at up to 6A and is equipped with a backlit LCD display.

The ONE 406 is the ideal charger for users that need a cost friendly universal charger. Thanks to it's integrated power supply, it can use both AC and DC power sources so you can charge your batteries at home or on the field. The integrated balancer ensures that you charge your LiPo/LiFe batteries safely and efficiently. Finally the LCD display allows you to monitor the battery during charge.

ORI30220 US-Version, ORI30221 EU-Version, ORI30222 CH-Version  
ORI30223 AU-Version, ORI30224 JP-Version, ORI30225 UK-Version

## Specifications

Input:	12-15VDC 100-240VAC
Integrated power supply:	Yes, 50W
Charge:	1-6A
Discharge:	-
Cells:	NiMH/NiCd 1-8Z LiPo/LiFe 2-4C
Size:	L125xB135xH53.3mm
Weight:	399g

## Packaging Content

- Advantage ONE charger with power cord
- Deans charge lead (USA: EC3 charge lead)
- Instruction manual



Front view of the charger with output sockets.

# ADVANTAGE ONE 405 ENTRY LEVEL CHARGER

**NEW!**



**COMPACT  
ENTRY LEVEL  
CHARGER**

**FOR LIPO,  
NIMH AND NICD**

**12V / 100-240V  
AC/DC POWER**

**TEAM ORION  
DESIGN**

**LED DISPLAY**

**The ONE 405 is the ideal Team Orion charger for those on a budget. It charges your batteries with up to 4A and it can be powered with both AC or DC power, making it a very versatile charger.**

ORI30226 US-Version, ORI30227 EU-Version, ORI30228 CH-Version  
ORI30229 AU-Version, ORI30230 JP-Version, ORI30231 UK-Version

The Advantage ONE 405 is the ideal charger for RTR cars. Thanks to its integrated power supply, it can use both AC and DC power sources so you can charge your batteries at home or on the field. The integrated balancer ensures that you charge your LiPo batteries safely and efficiently. The charge current is adjustable up to 4A meaning that your batteries will be charged in a breeze. The ideal charger for beginners.

## Specifications

Input:	100-240VAC
Integrated power supply:	Yes, 50W
Charge:	1, 2, 3, 4A
Discharge:	-
Cells:	NiMH/NiCd 1-8Z LiPo 2-4C
Size:	L125xB135xH53.3mm
Weight:	372g

## Packaging Content

- Advantage ONE charger with power cord
- Deans charge lead (USA: EC3 charge lead)
- Instruction manual



Die zwei Advantage ONE Geräte zusammen mit dem Advantage Touch Ladegerät.



# CHARGERS FOR AA AND AAA BATTERIES.



EZ Clubman 230V  
ORI30400



With 4 EZ2100 AA Batteries  
ORI32400



With EZ800 AAA Batteries  
ORI32404

## EZ Clubman 230V

Charge speed

12 Hours

The Team Orion EZ Clubman charger is a simple 230VAC charger with four independent charge channels which can be used simultaneously. Each charge channel has its own LED to indicate the charge status. It can charge AA and AAA cells whether NiMH or NiCd, therefore different types of cells can be charged simultaneously. The special shape of the cell holders ensure that the cells are always fitted properly.

Input : 230VAC, cell type : NiMH/NiCd, cell size : AA/AAA, charge current : AA 120mAH, AAA 70mAH.



EZ Pro-Am 230V  
ORI30401



Inkl. 4 EZ2100 AA Batteries  
ORI32401



Inkl. 4 EZ800 AAA Batteries  
ORI32405

## EZ Pro-Am 230V

Charge speed

2 Hours

The Team Orion Pro-Am is another charger with a long list of features, 230VAC power supply and four single cell independent charge channels which can be used simultaneously. Each charge channel has its own dual-color LED. The charger can charge AA and AAA cells, NiMH or NiCd.

The Pro-Am charger uses a delta-peak charge cut-off system to stop the charge once the batteries are full.

Input : 110-230VAC, cell type : NiMH/NiCd, cell size: AA/AAA, charge current : AA 1000mA (2 cells) / 500mA (4 cells), AAA 600mAh (2 cells) / 300mA (4 cells),



EZ Pro-Am Digital 12/230V  
ORI30402



With 4 EZ2100 AA Batteries  
ORI32402



With 4 EZ800 AAA Batteries  
ORI32406

## EZ Pro-Am Digital 12/230V

Charge speed

1 Hour

The Team Orion Pro-AM Digital is a convenient high performance charger. It can be powered with 230VAC or 12VDC, therefore you can use it at home or on the road.

The Pro-Am charger can charge AA and AAA cells whether they are NiCd or NiMH. Another great feature is the refresh function, this function allows you to discharge your cells to cancel memory effects.

With the 0V jumpstart function, the charger can even recharge cells which are over discharged.

Input : 12VDC/110-230VAC, cell type : NiMH/NiCd, cell size: AA/AAA, charge current : AA 2200mA, AAA 800mAh



EZ Pro-Am Ultra Quick 12/230V  
ORI30403



With 4 EZ2100 AA Batteries  
ORI32403



With 4 EZ800 AAA Batteries  
ORI32407

## EZ Pro-Am Ultra Quick 12/230V

Charge speed

15 Minutes

The Team Orion Pro-Am Ultra Quick is the most powerful charger of the line. With a charge current of 7A for AA and 3A for AAA, it is designed to fast charge our high-power AA and AAA batteries. With this charger you can charge your batteries in 15 minutes or less. The Pro-Am Ultra can work with 230VAC or 12VDC, therefore you can use it whether you are at home or on the road. Even old and over discharged cells can be safely charged thanks to the 0V jumpstart function.

Input : 12VDC/110-230VAC, cell type : NiMH/NiCd, cell size : AA/AAA, charge current : AA 7000mA, AAA 3000mA

# AVIONICS SPORT FLIGHT LIPO BATTERIES

## High quality flight lipo batteries

### 2S 7.4V LiPo Sport



Kapazität (mAh): 1800mAh  
C-Rate: 25C  
Gewicht (ca.): 98g  
Abmessungen (ca. mm): L106 x W35 x H15  
Bestellnummer: ORI60110



Kapazität (mAh): 2100mAh  
C-Rate: 25C  
Gewicht (ca.): 112g  
Abmessungen (ca. mm): L106 x W35 x H17  
Bestellnummer: ORI60111



Kapazität (mAh): 2400mAh  
C-Rate: 25C  
Gewicht (ca.): 124g  
Abmessungen (ca. mm): L106 x W35 x H19  
Bestellnummer: ORI60112



Kapazität (mAh): 3200mAh  
C-Rate: 25C  
Gewicht (ca.): 166g  
Abmessungen (ca. mm): L135 x W35 x H16  
Bestellnummer: ORI60113



Kapazität (mAh): 3600mAh  
C-Rate: 25C  
Gewicht (ca.): 184g  
Abmessungen (ca. mm): L135 x W35 x H17  
Bestellnummer: ORI60114

### 3S 11,1V LiPo Sport (Fortsetzung)



Kapazität (mAh): 3200mAh  
C-Rate: 25C  
Gewicht (ca.): 249g  
Abmessungen (ca. mm): L135 x W43 x H23  
Bestellnummer: ORI60118



Kapazität (mAh): 3600mAh  
C-Rate: 25C  
Gewicht (ca.): 276g  
Abmessungen (ca. mm): L135 x W43 x H25  
Bestellnummer: ORI60119

### 14.8V LiPo Sport



Kapazität (mAh): 2100mAh  
C-Rate: 25C  
Gewicht (ca.): 198g  
Abmessungen (ca. mm): L106 x W35 x H29  
Bestellnummer: ORI60120



Kapazität (mAh): 2400mAh  
C-Rate: 25C  
Gewicht (ca.): 226g  
Abmessungen (ca. mm): L106 x W35 x H33  
Bestellnummer: ORI60121



Kapazität (mAh): 3200mAh  
C-Rate: 25C  
Gewicht (ca.): 250g  
Abmessungen (ca. mm): L106 x W35 x H36  
Bestellnummer: ORI60122



Kapazität (mAh): 3600mAh  
C-Rate: 25C  
Gewicht (ca.): 334g  
Abmessungen (ca. mm): L135 x W43 x H30  
Bestellnummer: ORI60123



Kapazität (mAh): 4000mAh  
C-Rate: 25C  
Gewicht (ca.): 370g  
Abmessungen (ca. mm): L135 x W43 x H33  
Bestellnummer: ORI60124

### 3S 11,1V LiPo Sport



Kapazität (mAh): 1800mAh  
C-Rate: 25C  
Gewicht (ca.): 147g  
Abmessungen (ca. mm): L106 x W35 x H22  
Bestellnummer: ORI60115



Kapazität (mAh): 2100mAh  
C-Rate: 25C  
Gewicht (ca.): 168g  
Abmessungen (ca. mm): L106 x W35 x H25  
Bestellnummer: ORI60116



Kapazität (mAh): 2400mAh  
C-Rate: 25C  
Gewicht (ca.): 186g  
Abmessungen (ca. mm): L106 x W35 x H28  
Bestellnummer: ORI60117

**SPORT 25C**

# 90C RACING LIPO BATTERIES!

**NEW!**



LATEST LIPO  
TECHNOLOGY

W/GOLD TUBES  
OR DEANS®  
CONNECTOR

90C DISCHARGE  
RATE

UP TO  
5C CHARGE

SWISS  
DESIGN

Thanks to new developments, the Carbon Pro LiPo can now withstand discharge rates of up to 90C. This new technology also allows us to increase the capacity of the battery while keeping the same race legal case dimensions.

## 2S | 7.4V NEW: 8000mAh with Dual Connector



8000 **NEW!**  
Runtime: 59.2Wh  
Power: 8000mAh



8000 **NEW!**  
Runtime: 59.2Wh  
Power: 8000mAh

## 2S | 7.4V Special Packs for 2WD Off-Road



**NEW!**  
Runtime: 59.2Wh  
Power: 4000mAh



Runtime: 59.2Wh  
Power: 4000mAh

## 2S | 7.4V Packs



6500  
Runtime: 59.2Wh  
Power: 6500mAh



5500  
Runtime: 59.2Wh  
Power: 5500mAh



5000  
Runtime: 59.2Wh  
Power: 5000mAh



ORI30205 Advantage Touch Pro

## We recommend...

**90C technology**

Team Orion has worked with the battery industry best engineers to develop batteries capable of delivering incredibly high currents! This is the 90C technology. Power without limits!

**Carbon Hard case**

Team Orion was the first to introduce the Carbon look hard case for LiPo batteries. The Carbon look hard case is good not only for looks but also for protecting the batteries against impacts and damage.

**World Champion technology**

Team Orion is a mutiple off-road and on-road World Championship winner. High performance, innovation and technology are key to racing success! You too can drive with the World Champion technology.

**The Carbon Pro Batteries**

- LiPo high performance batteries featuring Carbon Pro Technology
- Up to 90C discharge rate thanks to new battery separator technology.
- Up to 5C charge rate thanks to highly stable chemistry.
- Robusts Carbon Look Hardcase prevents mechanical damage to the cells.
- UN safety test certified.
- Developed by Oscar Jansen and our national, european and world championship winning racing team.
- High quality Silicone wire.
- Available with gold tubes or Deans connectors.
- Available in 1-6S configurations
- JST-XH balance connector
- Race legal


**CARBON PRO**
**90C  
LIPO**
**★90C CHARGE  
★5C DISCHARGE**
**1S Pack and 2S Saddle Packs**
**6400  
1S**

**Runtime**  
Power

**ORI14039 Carbon Pro 6400mAh**
**5500  
2S**

**Runtime**  
Power

**ORI14048 Carbon Pro 5500mAh**  
68.7 x 46.2 x 24.6mm

**5500  
2S**

**Runtime**  
Power

**ORI14049 Carbon Pro 5500mAh**  
68.7 x 46.2 x 24.6mm

**6400  
4S**

**Runtime**  
Power

**ORI14050 Carbon Pro 1/8 | 90C | 14.8V | 6400mAh**  
138.5 x 48 x 48mm

**4800  
5S**

**Runtime**  
Power

**ORI14051 Carbon Pro 1/8 | 90C | 18.5V | 4800mAh**  
138.5 x 48 x 48mm

**3S | 11.1V Akkus**
**4600  
3S**

**Runtime**  
Power

**ORI14047 Carbon Pro 4600mAh | Deans®**  
138.3 x 46.8 x 30mm

**4600  
3S**

**Runtime**  
Power

**ORI14046 Carbon Pro 4600mAh | Goldkontakt-Tubes**  
138.3 x 46.8 x 30mm

- ★ 2012 IFMAR ISTC Touring Car World Champion
- ★ 2012 IFMAR World Champion Buggy 2WD & 4WD
- ★ 2012 US National Champion Off-Road
- ★ 2011 IFMAR World Champion Buggy 2WD & 4WD
- ★ 2011 ROAR National Champion Buggy Modified
- ★ 2011 ROAR National Champion Truggy Modified
- ★ 2010 ROAR National Champion Truggy Modified

**4000  
6S**

**Runtime**  
Power

**ORI14052 Carbon Pro 1/8 | 90C | 22.2V | 4000mAh**  
138.5 x 48 x 48mm

# SPECIFIC BATTERIES FOR THE SAVAGE FLUX!

Best performance with 2 batteries per car



CARBON LOOK  
SPECIAL  
HARD CASE

MAXIMIZED  
CAPACITY

UP TO 45C  
DISCHARGE RATE

2S AND 3S  
VERSIONS

FOR HPI® SAVAGE  
FLUX CARS



JST-XH Balance connector Deans®

The Carbon FLX LiPo batteries are specifically designed for the Savage Flux. Thanks to the custom case design, capacity and performance are maximized.

## 2S | 7.4V | Deans® Connector



4000  
2S



6000  
2S



8000  
2S



ORI14172 Carbon FLX 4000 | 45C | 7.4V  
197 x 51.2 x 28.7 mm



ORI14173 Carbon FLX 6000 | 45C | 7.4V  
197 x 51.2 x 28.7 mm



ORI14174 Carbon FLX 8000 | 45C | 7.4V  
197 x 51.2 x 28.7 mm

## 3S | 11.1V | Deans® Connector



4000  
3S



6000  
3S



ORI14175 Carbon FLX 4000 | 45C | 11.1V  
197 x 51.2 x 28.7 mm

ORI14176 Carbon FLX 6000 | 45C | 11.1V  
197 x 51.2 x 28.7 mm

Perfect fit : the battery is specifically designed for the Savage Flux battery holder. Thanks to this, capacity and performance are maximized.

# SPECIFIC BATTERIES FOR TRAXXAS® CARS!

 MADE TO FIT  
TRAXXAS®  
CARS

 Best performance with 2  
batteries per car

 CARBON LOOK  
SPECIAL  
HARD CASE

GREAT PRICE

 UP TO 45C  
DISCHARGE RATE

 2S AND 3S  
VERSIONS

 FOR TRAXXAS®  
1/10 AND 1/16  
CARS


JST-XH Balance connector TRX®

These batteries have a special case which is designed to fit the battery compartments of Traxxas® cars. The special shape allows to maximize the capacity of the performance of the battery. Now in Sport version!

## For Traxxas® 1/10 E-Revo and Summit | 2S | 7.4V | 45C | TRX® Connector

 4000  
2S

 Runtime  
Power

 ORI14177 TRX Carbon LiPo Sport 1/10 4000 | 45C | 7.4V  
178 x 48.3 x 28.6mm

 5000  
2S

 Runtime  
Power

 ORI14178 TRX Carbon LiPo Sport 1/10 5000 | 45C | 7.4V  
178 x 48.3 x 28.6mm

## For Traxxas E-Revo 1/16

 1800  
2S

 Runtime  
Power

 ORI14181 TRX Carbon LiPo Sport 1/16 1800 | 45C | 7.4V  
101.6 x 35 x 20mm

## For Traxxas® 1/10 E-Revo and Summit | 3S | 11.1V | 45C | TRX® Connector

 3500  
3S

 Runtime  
Power

 ORI14179 TRX Carbon Sport LiPo 1/10 3500 | 45C | 11.1V  
178 x 48.3 x 28.6mm

 4500  
3S

 Runtime  
Power

 ORI14180 TRX Carbon LiPo Sport 1/10 4500 | 45C | 11.1V  
178 x 48.3 x 28.6mm

 1200  
3S

 Runtime  
Power

 ORI14182 TRX Carbon LiPo Sport 1/16 1200 | 45C | 11.1V  
101.6 x 35 x 20mm

# 2S LIPO BATTERIES ROUND LIPO PACKS



JST-XH Balancer Plug



Uni: TRX®, Deans®, Tamiya®, EC3®

LATEST LIPO  
TECHNOLOGY

WITH TAMIYA®,  
DEANS®, TRX® OR  
UNI-CONNECTOR

25C DISCHARGE  
RATE

PROVEN  
TEAM ORION  
QUALITY

FOR CARS, BOATS  
AND PLANES

The new version of Team Orion stick pack size LiPo batteries. Great price and performance for any type of use. Now also available with the Uni Plug System that makes the battery compatible with the most popular types of connectors.

2400 | 7.4V | 2S

3300 | 7.4V | 2S

4200 | 7.4V | 2S



Runtime Power

Uni Plug System  
LiPo Rocket Sport Pack 2400  
ORI14169

TRX  
LiPo Rocket Sport Pack 2400  
ORI14166

Deans  
LiPo Rocket Sport Pack 2400  
ORI14163

Tamiya  
LiPo Rocket Sport Pack 2400  
ORI14160



Runtime Power

Uni Plug System  
LiPo Rocket Sport Pack 3300  
ORI14170

TRX  
LiPo Rocket Sport Pack 3300  
ORI14167

Deans  
LiPo Rocket Sport Pack 3300  
ORI14164

Tamiya  
LiPo Rocket Sport Pack 3300  
ORI14161



Runtime Power

Uni Plug System  
LiPo Rocket Sport Pack 4200  
ORI14171

TRX  
LiPo Rocket Sport Pack 4200  
ORI14168

Deans  
LiPo Rocket Sport Pack 4200  
ORI14165

Tamiya  
LiPo Rocket Sport Pack 4200  
ORI14162

## LiPo-Infobox

### What is the C Rate?

The C rate indicates the ability of the battery to supply energy. A battery with a higher C rate can be discharged faster and will have better performance. The charge C rate is the rate at which the battery is recharged, usually 1C (one time the capacity): a 4000mAh is charged at 4A for example.

## Features

- 2400-4200mAh version, for cars compatible with 2S LiPo batteries.
- 50% more powerful and 35% lighter than equivalent NiMH batteries.
- Longer run-times than equivalent NiMH batteries.
- Robust hard plastic case protects cells from dirt and damage.
- Available with Uni Plug System, TRX, Deans, Tamiya and EC3 compatible.

## We recommend



Easy to use, advanced technology Advantage Touch charger. This user friendly charger charges the most popular battery types quickly and efficiently. The touch interface is extremely simple to use.



Perfect shape to fit standard NiMH sized battery compartments.

# 3S LIPO BATTERIES SQUARE LIPO PACKS



Uni: TRX®, Deans®, Tamiya®, EC3®



JST-XH Balancer Plug

3 CELLS FOR  
UNPARALLELED  
PERFORMANCE

COST FRIENDLY  
LIPO

25C DISCHARGE  
RATE

3200, 3500 AND  
4300MAH  
CAPACITY

ALSO AVAILABLE  
WITH THE UNI  
PLUG SYSTEM

With the new Rocket Sport 3S batteries, Team Orion now offers high performance with a friendly price for everybody. Upgrading to a 3S LiPo battery is the easiest way to drastically improve your car's performance!

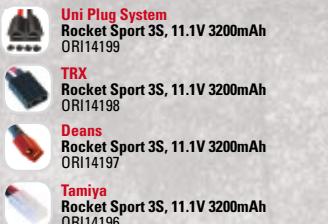
3200mAh | 11.1V | 3S



3S battery in  
2S-hardcase!

Dimensions:  
138.5x46.5x24.5mm

Runtime  
Power

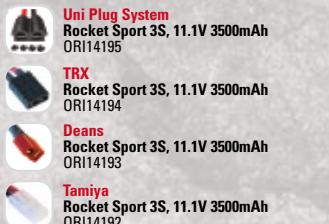


3500mAh | 11.1V | 3S



Dimensions:  
138.5x46.5x31mm

Runtime  
Power



4300mAh | 11.1V | 3S



Dimensions:  
138.5x46.5x31mm

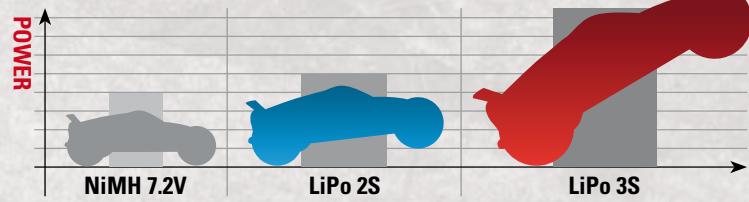
Runtime  
Power



## Features

- 3200mAh version, same size as regular stick battery, compatible with all cars.
- 3500-4300mAh version, for cars compatible with 3S LiPo batteries.
- 50% more powerful and 35% lighter than equivalent NiMH batteries.
- Longer run-times than equivalent NiMH batteries.
- Robust hard plastic case protects cells from dirt and damage.
- Available with Uni Plug System, TRX, Deans, Tamiya and EC3 compatible.

By using a LiPo battery instead of a NiMH battery, you can greatly increase the performance of your car. Using a 3S LiPo instead of a 2S Lipo again increases the performance by up to 50%. Before using a 3S LiPo battery you must consult your car's user manual and make sure that the ESC is compatible with 3S LiPo batteries.



# 7.2V NIMH STICK PACKS GREAT POWER+CHOICE



Uni: TRX®, Deans®, Tamiya®, EC3®

LATEST NIMH  
TECHNOLOGY

WITH TAMIYA®,  
DEANS®, TRX® OR  
UNI-CONNECTOR

HIGH QUALITY  
SILICONE WIRE

PROVEN  
TEAM ORION  
QUALITY

FOR CARS,  
BOATS AND  
PLANES

The new Rocket Pack 2 NiMH stick packs are equipped with the Uni Plug System. Thanks to this system the battery is compatible with all the popular connector types, Tamiya®, Deans®, TRX® and EC3®.

1800



Runtime

Power

Rocket Pack 2 1800

ORI10350 Tamiya

ORI10356 Deans

ORI10362 TRX

ORI10368 Uni (Tamiya, Deans, TRX, EC3)

2700



Runtime

Power

Rocket Pack 2 2700

ORI10351 Tamiya

ORI10357 Deans

ORI10363 TRX

ORI10369 Uni (Tamiya, Deans, TRX, EC3)

3700



Runtime

Power

Rocket Pack 2 3700

ORI10352 Tamiya

ORI10358 Deans

ORI10364 TRX

ORI103670 Uni (Tamiya, Deans, TRX, EC3)

Uni Plug System



The new Rocket Pack 2 NiMH batteries are the first to feature the Uni Plug System. This adapter makes the battery compatible with all the popular connector types. No matter the car, your battery will fit!

4200



Runtime

Power

Rocket Pack 2 4200

ORI10353 Tamiya

ORI10359 Deans

ORI10365 TRX

ORI10371 Uni (Tamiya, Deans, TRX, EC3)

4700



Runtime

Power

Rocket Pack 2 4700

ORI10354 Tamiya

ORI10360 Deans

ORI10366 TRX

ORI10372 Uni (Tamiya, Deans, TRX, EC3)

5100



Runtime

Power

Rocket Pack 2 5100

ORI10355 Tamiya

ORI10361 Deans

ORI10367 TRX

ORI10373 Uni (Tamiya, Deans, TRX, EC3)

Optimal Charging



Easy to use, advanced technology Advantage Touch charger. This user friendly charger charges the most popular battery types quickly and efficiently. The touch interface is extremely simple to use.

# MICRO BATTERIES WITH MEGA POWER

 MADE TO FIT  
TRAXXAS®  
CARS

 For Traxxas® 1/16 E-Revo®  
VXL and 1/16 Slash® VXL


Use two batteries for maximal performance!

 BATTERIES  
FOR MICRO CARS

 HIGH VOLTAGE  
CELLS

 LATEST NIMH  
TECHNOLOGY

 TRX®  
CONNECTOR

 FOR TRAXXAS® 1/16  
SCALE CARS AND  
OTHERS

**The Supercharge NiMH batteries are specifically designed for the Traxxas® 1/16 E-Revo® VXL and 1/16 Slash® VXL cars. They use high voltage NiMH cells and are fitted with a TRX® connector.**



Runtime  
Power

 Supercharge 1600 7.2V  
ORI13002

## Maximal runtime

The Supercharge NiMH batteries are specifically designed for the Traxxas® 1/16 E-Revo® VXL and 1/16 Slash® VXL cars. They use high voltage NiMH cells and are fitted with a TRX® connector. Using the Traxxas® Series Connector you can use two batteries together and achieve a voltage of 14.4V!

### Features:

- Latest 1600mAh Team Orion NiMH cells
- Perfect fit inside the 1/16 E-Revo® VXL und 1/16 Slash® VXL cars
- TRX® high power connector

- High quality 16awg silicone wire
- Longer runtime
- Faster acceleration
- Higher top speed



Runtime  
Power

 Supercharge 1300 8.4V  
ORI13003

## Maximal power

The Supercharge NiMH batteries are specifically designed for the Traxxas® 1/16 E-Revo® VXL and 1/16 Slash® VXL cars. They use high voltage NiMH cells and are fitted with a TRX® connector. Thanks to a specially designed smaller size cells, you can now fit a 8.4V battery inside your battery compartments. This means more power and more fun!

### Features:

- Special 1300mAh Team Orion NiMH cells
- Perfect fit inside the 1/16 E-Revo® VXL und 1/16 Slash® VXL cars
- TRX® high power connector

- High quality 16awg silicone wire
- Longer runtime
- Faster acceleration
- Higher top speed

# 7 CELL NIMH POWER FOR TRAXXAS® CARS

**MADE TO FIT  
TRAXXAS®  
CARS**

These batteries are designed to fit the Traxxas Rustler™, Bandit™ VXL and Slash™. But they also fit other car types.



**NIMH  
TECHNOLOGY**

**8.4V  
HIGH VOLTAGE!**

**TRX®  
CONNECTOR**

**7 CELL  
HUMP**

**PROVEN  
TEAM ORION  
QUALITY**

Feel the need for more power and speed? you need a bigger battery! These are our 7 cell batteries designed for Traxxas® Rustler™, Bandit™ VXL, Slash™ and many other cars.

## 8.4V Hump Rocket Packs



2700  
Runtime  
Power

Rocket Pack Hump 8.4V 2700mAh  
ORI10339



3300  
Runtime  
Power

Rocket Pack Hump 8.4V 3300mAh  
ORI10340



4500  
Runtime  
Power

Rocket Pack Hump 8.4V 4500mAh  
ORI10341



5100  
Runtime  
Power

Rocket Pack Hump 8.4V 5100mAh  
ORI10342



All the Rocket Pack batteries are sold in a practical cardboard storage box.

# 8 CELL NIMH POWER FOR TRAXXAS® CARS

**MADE TO FIT  
TRAXXAS®  
CARS**

These batteries are designed to fit the Traxxas Rustler™, Bandit™ VXL and Slash™. But they also fit other car types.


**NIMH  
TECHNOLOGY**
**9.6V  
HIGH VOLTAGE!**
**TRX®  
CONNECTOR**
**8 CELL  
HUMP**
**PROVEN  
TEAM ORION  
QUALITY**

Thanks to another extra cell, these hump batteries reach a very high voltage, 9.6V! Even more extreme power and top speed!

## 9.6V Hump Rocket Packs


**2700**

 Runtime  
Power

 Rocket Pack Hump 9.6V 2700mAh  
ORI10343

**3300**

 Runtime  
Power

 Rocket Pack Hump 9.6V 3300mAh  
ORI10344

**4500**

 Runtime  
Power

 Rocket Pack Hump 9.6V 4500mAh  
ORI10345

**5100**

 Runtime  
Power

 Rocket Pack Hump 9.6V 5100mAh  
ORI10346


Rocket Pack batteries in the practical Display-Box!

# RECEIVER PACKS FOR ALL APPLICATIONS!



1900mAh  
1700mAh  
1600mAh

SUPER HIGH  
CAPACITY

STABLE  
DISCHARGE  
CHARACTERISTICS

HIGH  
RELIABILITY

PROVEN  
TEAM ORION  
QUALITY

Team Orion now offers you the 1900XL receiver pack with a capacity of 1900mAh - a world's first! Marathon receiver packs are available in standard or hump configuration, with UNI or BEC connector.



Runtime  
Marathon 1900XL Std | BEC connector  
ORI12251



Runtime  
Marathon 1900XL Std | UNI connector  
ORI12252



Runtime  
Marathon 1900XL Hump | BEC connector  
ORI12253



Runtime  
Marathon 1900XL Hump | UNI connector  
ORI12254



Runtime  
Marathon 1700 Std | BEC connector  
ORI12241



Runtime  
Marathon 1700 Std | UNI connector  
ORI12242



Runtime  
Marathon 1700 Hump | BEC connector  
ORI12243



Runtime  
Marathon 1700 Hump | UNI connector  
ORI12244



Runtime  
Marathon 1600 Std | BEC connector  
ORI12240



Runtime  
Marathon 1600 Std | UNI connector  
ORI12228



Runtime  
Marathon 1600 Hump | BEC connector  
ORI12232



Runtime  
Marathon 1600 Hump | UNI connector  
ORI12227

# THE NEW LIPO RECEIVER BATTERIES

NEW!



JST-XH balancing plug

 7.4V LIPO  
RECEIVER PACKS

 MORE POWER  
AND RUNTIME

LIGHTWEIGHT

 REGULAR  
SIZE

UNI PLUG

**The new LiPo Marathon 2500 receiver batteries offer maximum power and runtime for your servos. Available in hump or standard configuration and fits the most popular cars.**

## Marathon LiPo 7.4V


 Marathon LiPo Hump RX Pack 2500 7.4V (Uni Plug),  
58.5x32x31.5mm, 104g, 18.5Wh  
ORI12259

 Marathon LiPo Flat RX Pack 2500 7.4V (Uni Plug),  
85x30x17mm, 104g, 18.5Wh  
ORI12260

### Features:

- High performance LiPo technology
- Regular size Standard and Hump configurations
- Uni plug
- High grade silicone wire
- JST-XH balancing connector



The new Team Orion Marathon LiPo receiver batteries are the best solution to power the radio systems on all RC cars. Thanks to the LiPo technology you get more power and longer runtimes than with NiMh batteries, empty receiver batteries and sluggish performance are a thing of the past. They come in regular size so the fit all the cars which can fit standard or hump shaped packs. A must for all serious nitro racers!

Refuelling is still a must, the Team Orion Marathon LiPo receiver packs take care of the rest!

# RECHARGEABLE BATTERIES



NIMH  
TECHNOLOGY

AA AND AAA  
SIZE

HIGH  
PERFORMANCE

PROVEN  
TEAM ORION  
QUALITY

FOR ALL  
TYPES OF  
APPLICATIONS

Team Orion's NiMH AA and AAA batteries, high performance for radio-controlled model applications but also for remote controls, MP3 players or any device that requires AA or AAA batteries.

## Rechargeable NiMH Batteries

Ideal for Mini-Z!	750SHO AAA batteries w/ plastic case ORI13206	900HV AAA batteries ORI13202	1100RT AAA batteries ORI13201	2700 AA batteries ORI13502
	<p>Runtime:  Power: </p>	<p>Runtime:  Power: </p>	<p>Runtime:  Power: </p>	<p>Runtime:  Power: </p>

The 750SHO cells are ideal for Kyosho Mini-Z racing cars!



## We recommend...



# READY TO USE AA AND AAA BATTERIES


 PRECHARGED  
BATTERIES

 RECHARGEABLE  
EZ BATTERIES

 AA AND AAA  
SIZE

 PROVEN  
TEAM ORION  
QUALITY

 FOR ALL  
TYPES OF  
APPLICATIONS

Team Orion also offers batteries that can be used out of the box, alkaline batteries and the rechargeable EZ batteries!

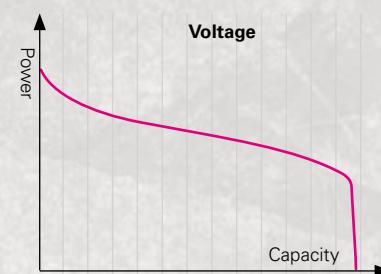
## Rechargeable EZ batteries



## Alkaline batteries



## Features:



The Team Orion batteries have a very flat discharge curve. This means stable power for your devices, from the start until the end.

# CRF TECHNOLOGY COST FRIENDLY ENGINE



WORLD CHAMPION  
CRF TECHNOLOGY

COST FRIENDLY  
DESIGN

MAJOR  
EVOLUTIONS

3 PORT  
DESIGN

MADE FOR  
1/8 BUGGY

The world championship winning CRF technology is patented by and found only in Team Orion engines. Our nitro R&D manager Adrien Bertin and our racing team continuously test new designs to make sure we keep an edge over the competition.



ORI80690 CRF 3 port Racing Team Buggy

## CRF 3 port 3.5ccm Racing Team Buggy

Specs	CRF 3 port Racing Team Buggy
Part#	ORI80690
Type	2 stroke
Displacement	3.5cc
Bore	16.2mm
Stroke	16.9mm
Weight	350g
RPM	35'000
HP	2.7
Front Bearing	7x19x6mm Swiss
Rear Bearing	14.2x25.3x6.3mm Ceramic
Liner	ABC Precision Liner
Ports	5
Carburetor	2 needle aluminum carburetor
Crankshaft	patented SG type crankshaft

CRF Technology and high quality components at an entry level price. This is the CRF 3 port Team buggy engine, fast, reliable and easy to tune!

The patented CRF technology (EP 1 787 018) was created by inventor Fabrice Ramella and is in constant evolution thanks to Adrien Bertin. The main difference with standard engines resides in the crankshaft design:

1. Turbo-Effect thanks to the angled crankshaft port. 2. Reduced back plate mixture bouncing. Fresh fuel mixture is distributed around the backplate instead of bouncing against it. 3. Acceleration and throttle response is improved thanks to the slots which recover stagnating fuel mixture.

## Features

- World championship winning technology
- Latest version with major evolutions
- High grade components
- 3 ports design
- Steel bearings
- Friendly price
- Designed for 1/8 buggy

# WORLD CHAMPION OFF-ROAD ENGINES



**WORLD  
CHAMPIONS**



**TEAM ORION CRF  
WORLD CHAMPION  
TECHNOLOGY**

WORLD CHAMPION  
CRF TECHNOLOGY

BUGGY 3 OR 5 PORTS  
TRUGGY 5 PORTS  
VERSIONS

CERAMIC  
BEARING

FACTORY  
TUNED PARTS

MADE FOR  
1/8 BUGGY  
AND TRUGGY

The world champion CRF engine has gotten even better. Throughout 2011 our team has been busy improving the CRF engine and the 2012 Factory Tuned engines are the result.

**CRF 3 port 3.5ccm  
Factory Tuned Buggy**

- 3 port buggy engine
- Factory Tuned



CRF 3 port Factory Tuned Buggy 3.5ccm  
ORI80691

**CRF 5 port 3.5ccm  
Factory Tuned Buggy**

- 5 port buggy engine
- Factory Tuned



CRF 5 port Factory Tuned Buggy 3.5ccm  
ORI80692

**CRF T522 3.6ccm  
Factory Tuned Truggy**

- 5 port truggy engine
- Factory Tuned



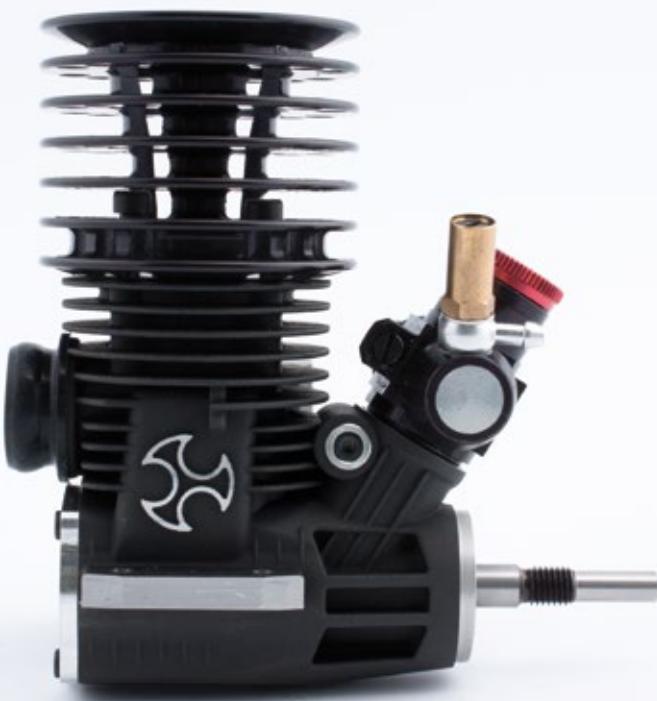
CRF T522 Factory Tuned Truggy 3.6ccm  
ORI80693

**Features**

- World champion
- National champion
- Latest version with major evolutions
- New crankcase with stronger design
- New piston/liner with new piston material for improved power and durability
- New, light weight crankshaft design for improved RPM
- Factory tuned parts for optimized mixture flow
- 3 port version for smooth power and best run-times
- 5 port version for maximum power
- 5 port .22 size truggy version
- High grade components
- Rear ceramic bearing
- Double sealed front Swiss bearing
- New carburetor for improved tunability
- Made in Italy

Specs	CRF 3 port Factory Tuned Buggy	CRF 5 port Factory Tuned Buggy	CRF B522 Factory Tuned Truggy
Part#	ORI80691	ORI80692	ORI80693
Type	2 stroke	2 stroke	2 stroke
Displacement	3.5cc	3.5cc	3.6cc
Bore	16.2mm	16.2mm	16.3mm
Stroke	16.9mm	16.9mm	17.1mm
Weight	350g	350g	350g
RPM	35'000	36'000	36'000
HP	2.7	2.8	2.8
Front Bearing	7x19x6mm Swiss	7x19x6mm Swiss	7x19x6mm Swiss
Rear Bearing	14.2x25.3x6.3mm Ceramic	14.2x25.3x6.3mm Ceramic	14.2x25.3x6.3mm Ceramic
Liner	ABC	ABC	ABC
Ports	3	5	5
Carburetor	2 needle aluminum carburetor	2 needle aluminum carburetor	2 needle aluminum carburetor
Crankshaft	patented SG type crankshaft	patented SG type crankshaft	patented SG type crankshaft

# COMPETITION ON-ROAD ENGINES



HIGH END  
RACING ENGINES

NEW  
R12 VERSION

MAJOR  
EVOLUTIONS

FACTORY  
TUNED

CERAMIC  
BEARING

Adrien Bertin is a two times on-road world champion, he knows that on-road racing pushes engines to the limit and that it's a great platform for engine development.

### CRF R12 evo 2.11ccm Factory Tuned On-Road

- 1/10 On-Road Engine
- Factory Tuned



CRF R12 Factory Tuned On-Road 2.11ccm  
ORI80689

### CRF R21 3.5ccm Factory Tuned On-Road

- 1/8 On-Road Engine
- Factory Tuned



CRF R21 Factory Tuned On-Road 3.5ccm  
ORI80688

For 2013 we have two new on-road engine. Our R&D team has been busy throughout the year testing and improving all the aspects of the engines. The result is 2012 spec engines built using new components offering a vast array of improvement over 2011 engines. Better performance, better tuneability, better stability, the 2012 engines have it all.

### Features

- National champion
- Latest version with major evolutions
- Meets 2013 regulations
- New crankcase with stronger design
- New piston/liner with new piston material for improved power and durability
- Latest case alloy technology
- New, light weight crankshaft design for improved RPM
- Factory tuned parts for optimized mixture flow
- High grade components
- Rear ceramic bearing
- New carburetor for improved tunability
- Made in Italy



ABC insert of the CRF R21 on-road engine



The crankshaft of the CRF R12 engine

Specs	CRF R12 Factory Tuned On-Road	CRF R21 Factory Tuned On-Road
Type	2 stroke	2 stroke
Displacement	2.11cc	3.5cc
Bore	13.7	16.2
Stroke	13.8	16.9
Weight	227g	340g
RPM	39'500	39'500
HP	1.7	2.9
Front Bearing	Swiss	7x19x6mm Swiss
Rear Bearing	Ceramic	14.2x25.3x6.3mm Ceramic
Liner	ABC	ABC
Ports	3	7
Carburetor	2 needle aluminum carburetor	2 needle aluminum carburetor
Crankshaft	SG Balanced	SG Balanced

# STARTER BOX PRO 2. THE EVOLUTION.



NEW 775 SIZE  
MOTORS OPTIMIZED  
FOR LIPO

NEW  
SWITCHING  
SYSTEM

NEW UNIVERSAL  
BATTERY HOLDER

FOR OFF-ROAD AND  
ON-ROAD CARS

ROBUST AND  
LONG LIFE  
CONSTRUCTION

Our popular starter boxes have evolved, new lipo optimized motors, new switching system, new universal battery holder, a wide range of improvements that make a good product even better.

## Starter Box Race 2



Off-Road Race 2 Starter Box  
ORI88954

### Features

- Robust plastic case
- New 775 size motors optimized for LiPo
- New universal battery holder fits all battery types
- New improved switching system
- For On-Road and Off-Road cars
- Long life components
- Race tested

## Starter Box Pro 2



Off-Road Pro 2 Starter Box  
ORI88955

### Features

- High end metal case
- New 775 size motors optimized for LiPo
- New universal battery holder fits all battery types
- New improved switching system
- For On-Road and Off-Road cars
- Long life components
- Race tested

## NiMH Stick



## LiPo Stick



## LiPo Square



## LiPo Glow - the best tool for starting your engines!



The new LiPo Glow plug igniter uses a LiPo battery as a power source, this offers several advantages over NiMH batteries.

- Optimal power output thanks to the integrated power regulator (no voltage drop).
- Very low self-discharge, the igniter does not discharge by itself when it's not in use.
- Status LED indicates igniter and glow plug status.

LiPo-Glow w/charger: ORI88940 EU-220V, ORI88941 UK-220V, ORI88942 USA/JP-110V  
LiPo-Glow only: ORI88943 LiPo-Glow

The new starter boxes are compatible with round or square case NiMH and LiPo batteries. The switching system has been redesigned to ensure maximum reliability.

# TUNING FOR RTR CARS!



MORE SPEED  
MORE POWER  
MORE FUN

HIGH  
PERFORMANCE

POLISHED  
FINISH

GREAT PRICE

DESIGN BY  
ADRIEN BERTIN



Tune your car with a Team Orion tuned pipe set. These tuned pipe sets fit directly on your car without requiring any modifications. Release the full potential of your car!

These high performance tuned pipe sets will greatly improve your car's performance. They are built with the same materials and quality than our racing tuned pipe sets, in-line manifold attachment, polished finish and laser engraving. With these tuned pipes, your car will have a higher top speed and more torque. These sets fit directly on your car without modifications and include all the hardware you need to install the new tuned pipe.

## Features

- Great performance upgrade
- Quality materials and manufacturing
- Polished finish like racing pipes
- Installation hardware included
- Designed by Adrien Bertin

### For Kyosho Inferno 7.5 Sport/GT



Inferno 7.5 Sport/GT  
In-Line Set  
ORI88015

### For Kyosho Fazer



Fazer In-Line Set  
ORI88014

### For Kyosho DBX/DST



DBX/DST In-Line Set  
ORI88013

# GLOW PLUGS FOR ALL ENGINE TYPES



PLATINUM COIL

 FOR CARS, BOATS  
HELICOPTERS  
AND PLANES

 STANDARD  
AND  
TURBO TYPE

 HIGH  
PERFORMANCE

 DESIGNED  
BY A. BERTIN

Team Orion Proglow Glow Plugs are specifically designed for the requirements of todays engines. Wether you have a car, a boat, a plane or a helicopter, there is a Proglow glow plug that will fit your needs.

Standard glow plugs for cars, boats, airplanes and helicopters


 Standard 4  
ORI88850

 Standard 5  
ORI88851

 Standard 6  
ORI88852

 Standard 7  
ORI88853

## Turbo On-Road specific glow plugs

### ProGlow Buggy Nr. 4



#### ORI88860 ProGlow No 4

The new N°4 glow plug is our hotter off-road plug. This plug helps the engine to run more reliably even if the engine tuning or fuel quality are not perfect.


 Turbo On-Road 6  
ORI88857

 Turbo On-Road 7  
ORI88858

 Turbo On-Road 8  
ORI88859

## Turbo Off-Road specific glow plugs


 Turbo Off-Road 5  
ORI88854

 Turbo Off-Road 6  
ORI88855

 Turbo Off-Road Glühkerze 7  
ORI88856

# HIGH QUALITY SILICONE OIL



CONSISTENT  
VISCOSITY

PRACTICAL  
60ML BOTTLE

WIDE RANGE  
FOR SHOCKS  
AND FOR DIFFS

100% PURE  
SILICONE OIL

PROVEN  
TEAM ORION  
QUALITY



#100 | #10  
ORI44400



#150 | #15  
ORI44401



#200 | #20  
ORI44402



#250 | #25  
ORI44403



#300 | #30  
ORI44404



#350 | #35  
ORI44405



#400 | #40  
ORI44406



#450 | #45  
ORI44407



#500 | #50  
ORI44408



#550 | #55  
ORI44409



#600 | #60  
ORI44410



#700 | #70  
ORI44411



#800 | #80  
ORI44412



#900 | #90  
ORI44413



#1'000 | #100  
ORI44414



#2'000 | #200  
ORI44415



#3'000 | #300  
ORI44416



#4'000 | #400  
ORI44417



#5'000 | #500  
ORI44418



#6'000 | #600  
ORI44419



#7'000 | #700  
ORI44420



#8000 | #800  
ORI44421



#10'000 | #10'000  
ORI44422



#15'000 | #15'000  
ORI44423



#20'000 | #20'000  
ORI44424



#30'000 | #30'000  
ORI44425



#50'000 | #50'000  
ORI44426



#100'000 | #100'000  
ORI44427

The Team Orion Victory Fluid offers you a wide range of silicone oils for shocks and diffs. The 100% pure silicone blend ensures stability in a wide range of temperature and applications.

## Victory Fluid

- 100% pure silicone oil
- 60ml practical bottle with easy dispenser
- Viscosities from #100 (soft) to #900 (hard) for use shock absorbers
- Viscosities from #1000 (soft) to #100'000 (hard) for use in gear differentials
- Easy to read viscosity indication
- #100 to #600 recommended for Off-Road and On-Road cars
- #700 to #900 recommended for On-Road cars
- #1'000 to #20'000 recommended for Off-Road differentials
- #20'000 to #100'000 recommended for On-Road differentials

# SUPER FAST SUPER GLUE



VARIOUS  
FORMULAS  
FOR SPECIFIC USES

FAST AND  
SECURE

PRACTICAL  
TAP

ODORLESS TYPE  
ALSO  
AVAILABLE

TEAM ORION  
QUALITY

Team Orion selection of Instant Glues fulfill all the hobbyists requirements. Whether you have to glue tires, plastic or wood, we have the glue for you.

Ideal for RC Car Tires



Lockdown Thin  
1/2oz/14,2g  
ORI42100



Lockdown Thin  
1oz/28,4g  
ORI42101



Lockdown Thick  
1/2oz/14,2g  
ORI42102



Lockdown Thick  
1oz/28,4g  
ORI42103

Special



Odorless  
1/2oz/14,2g  
ORI42116



Blast Activator  
2oz/56,8g  
ORI42120



D-Fuse Debonder  
2oz/28,4g  
ORI42121

For General Use



Quickfix Thin  
1/2oz/14,2g  
ORI42110



Quickfix Thin  
1oz/28,4g  
ORI42111



Quickfix Medium  
1/2oz/14,2g  
ORI42112



Quickfix Medium  
1oz/28,4g  
ORI42113



Quickfix Thick  
1/2oz/14,2g  
ORI42114



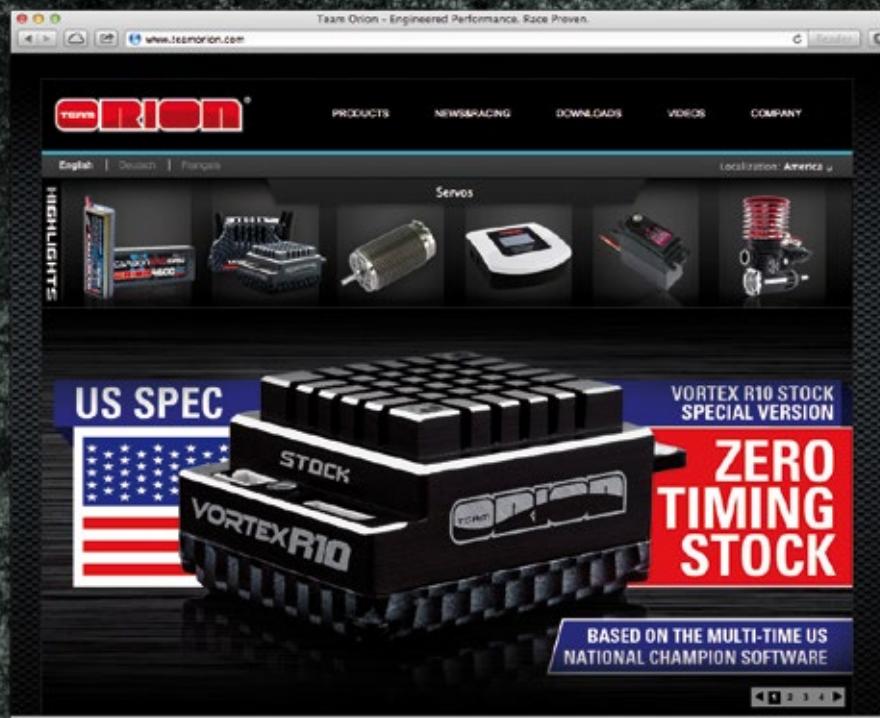
Quickfix Thick  
1oz/28,4g  
ORI42115



# RACE PROVEN!

## 13 WORLD CHAMPIONSHIP TITLES

- ★ 2012 Netherlands Jilles Groskamp 1/10 Touring, Motor, Batteries, ESC, Charger
- ★ 2011 Finland Ryan Cavalieri 1/10 Buggy 4WD, Motor, Batteries
- ★ 2011 Finland Ryan Cavalieri 1/10 Buggy 2WD, Motor, Batteries
- ★ 2010 Thailand Cody King 1/8 Buggy, CRF Engines
- ★ 2006 Italy Andy Moore 1/10 Touring V2 Motor, Batteries
- ★ 2004 USA Marc Rheinard 1/10 Touring V2 Motor, Batteries
- ★ 2001 South Africa Jukka Steenari 1/10 Buggy 4WD Motor, Batteries
- ★ 1999 Finland Jukka Steenari 1/10 Buggy 4WD Motor, Batteries
- ★ 1996 USA Mike Swauger 1/10 On-Road, Batteries
- ★ 1995 Japan Matt Francis 1/10 Buggy 2WD, Batteries
- ★ 1995 Japan Mark Pavidis 1/10 Buggy 4WD, Batteries
- ★ 1994 Germany Masami Hirotsuka 1/10 On-Road, Receiver Batteries
- ★ 1994 France David Spashett 1/12th On-Road, Batteries



**www.teamorion.com**



Join us on Facebook®:  
[www.facebook.com/teamorion](http://www.facebook.com/teamorion)



Check out great Team Orion videos:  
[www.youtube.com/teamorioncom](http://www.youtube.com/teamorioncom)

The Team Orion started 26 years ago. Originally Team Orion was a battery matching company, providing drivers all over the world with the best quality matched batteries on the market. 26 years and 13 world championship titles later, Team Orion has grown to be a company offering a wide array of products, powering electric and nitro cars alike.

Passion, quality and performance are three words that stand at the heart of the Team Orion brand. Our R&D team is constantly working on new designs and this shows in all of our products. Whether you are a racer or a just someone who enjoys running RC cars for fun, you are sure to find a Team Orion quality product that satisfies your needs. Team Orion means world champion technology and performance from every one of our products.

**Team Orion - 26 years of success**

Your local dealer:

7



Team Orion Europe SA • 31 Chemin du Pré-Fleuri • CH-1228 Plan-les-Ouates • Switzerland  
Tel: +41-22-706-18-60 • Fax: +41-22-757-41-86 • [www.teamorion.com](http://www.teamorion.com)

Technical specifications may change without prior notice. This content is not an offer to create a contract.  
Errors and omissions excepted. Copyright © 2013 Team Orion • ORI43930